

# TEXAS AGRICULTURAL EXPERIMENT STATION

BULLETIN NO. 168

JULY, 1914

DIVISION OF CHEMISTRY

## *Commercial Fertilizers in 1913-14*



POSTOFFICE:  
COLLEGE STATION, BRAZOS COUNTY, TEXAS



AUSTIN, TEXAS:  
VON BOECKMANN-JONES CO., PRINTERS  
1914

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BY

G. S. FRAPS, Ph. D.,  
STATE CHEMIST, AND CHEMIST TO EXPERIMENT STATION



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# AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS

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\*In Cooperation with the Bureau of Plant Industry, United States Department of Agriculture.



## COMMERCIAL FERTILIZERS IN 1913-14.

G. S. FRAPS, STATE CHEMIST, AND CHEMIST TO EXPERIMENT STATION.

This Bulletin deals with the State control of commercial fertilizers. Information concerning the nature and use of fertilizers is to be found in Bulletin 167, copies of which will be sent free on application.

The quantity of commercial fertilizers sold in Texas for the last several seasons is as follows:

1905-06.....	13,500 tons.
1906-07.....	19,200 tons.
1907-08.....	21,850 tons.
1908-09.....	23,800 tons.
1909-10.....	34,000 tons.
1910-11.....	52,985 tons.
1911-12.....	46,000 tons.
1912-13.....	75,500 tons.
1913-14.....	77,400 tons.

### FERTILIZER LAW.

The present fertilizer law went into effect September 1, 1911. The law has proved very satisfactory. Copies of the law, and information how to comply with it will be sent on application.

### INFORMATION ON THE BAG.

The guaranteed analysis of the fertilizer must be printed by the manufacturer, either on the bag or on a tag attached to the bag. Consumers of fertilizers can easily examine the bag or tag and ascertain the guaranteed composition of the fertilizer. The information required to be printed on the bag, or tag, is as follows:

Net weight

Name of fertilizer in full.

Name and address of manufacturer.

Guaranteed analysis:

Available phosphoric acid.....per cent.

Nitrogen.....per cent.

Potash.....per cent.

Total phosphoric acid may be guaranteed in place of available in bone or tankage.

The guaranteed analysis has thus been simplified as much as possible, and the farmer should become familiar with these terms.

## FREE ANALYSES.

Samples of fertilizers sent in for free analysis must be taken as provided by the law. Those who desire a free analysis of a fertilizer should write for a blank "Application for Free Fertilizer Analysis" to the State Chemist, College Station, or they may fill out the application printed below. Samples not taken as required by the law can not be accepted for analysis.

## APPLICATION FOR FREE ANALYSIS OF FERTILIZER.

Section 17. Any person not a dealer in, or agent for, the sale of any fertilizer, who may purchase any commercial fertilizer for his own use within this State and not for sale, may take a sample of same for analysis, which analysis shall be made free of charge by or under the direction of the State Chemist. Said sample or samples of fertilizer shall be taken in the presence of both purchaser and seller. One cupful of the fertilizer shall be taken from the top and one cupful from the bottom of each sack, provided that there are not more than five sacks in the lot, but in lots of ten to one hundred sacks, from not less than five sacks; in lots of one hundred and over from not less than five per cent of the entire number. The samples so taken shall be intermixed upon some surface so as not to mix dirt or any other substance with the fertilizer. After thorough mixing, at least one pound of the material must be put into each of two cans or jars, one of which securely sealed and marked in such a way as to surely identify the sample and show by whom it was sent, but the name of the fertilizer or of the person from whom it was purchased need not be given, and must be forwarded by express, all charges prepaid, to the State Chemist; the other sample, securely sealed, shall be turned over to the company or agent selling same. The purchaser shall also send with the sample a certificate signed by himself and two disinterested witnesses, stating that the sender has purchased the fertilizer for his own use and not for sale, and that the sample was taken in the manner prescribed in this section, and that the sender has in his possession a certificate signed by himself and the two witnesses, giving the name of the fertilizer and manufacturer thereof as tagged or branded on the package, and will forward the certificate to the State Chemist on receipt of the analysis. Provided, however, that if the person, company or agent shall refuse, decline or neglect to witness the taking of sample, after having been requested or notified by the purchaser in writing six days before so to do, then the sample may be taken in the manner already described in the presence of two disinterested witnesses. Any person having sent a sample for analysis under the provisions of this section who shall, after having received the report of analysis of same, refuse to furnish the required certificate, shall thereafter forfeit the privilege of analysis of fertilizers under this section.

Certificate No.....

Analysis No.....

I certify that the sample of fertilizer shipped in a sealed jar or can to the State Chemist, College Station, Texas, marked..... was taken from.....sacks, and in accordance with the provisions of Section 17 of the Commercial Fertilizer Act of 1911. I also certify that said fertilizer was purchased for my own use and not for sale, and that I have a certificate signed by myself and the two witnesses whose names are signed below, giving the name of the fertilizer and the manufacturer thereof as tagged or branded on the packages, and will forward this certificate to the State Chemist on receipt of the analysis.

Date .....

Signed .....

Address.....R. F. D. No.....

I certify that the above statements are correct.

.....(Witness)

.....(Witness)

(The following may be detached and retained until you receive the analysis.)

I hereby certify that the sample of commercial fertilizer taken on.....and marked.....was tagged or branded on the package as being manufactured by.....and named.....with a guaranteed analysis of .....per cent available phosphoric acid.....per cent nitrogen and.....per cent potash.

Signed.....

I examined the package of commercial fertilizer described above, and the foregoing statement is correct.

.....(Witness)

.....(Witness)

Certificate No.....

## INVESTIGATIONS UNDER THE FERTILIZER LAW.

The State Chemist is required by the fertilizer law to "investigate the composition, properties, and agricultural values of fertilizers, or of fertilizer material, or ingredients of fertilizers, sold or offered for sale within the State of Texas, and shall publish his results as he may find." Investigations of this kind have been begun, and the results will be published from time to time as the experiments are completed.

## RELATION TO STATION WORK.

The work of the State Chemist is closely related to the chemical

work of the Experiment Station. In his capacity as Chemist to the Experiment Station, the State Chemist is carrying out extensive investigations of the chemical composition and properties of Texas soils. He is also making investigations into the fundamental properties of soils, especially with respect to their content of plant food. This work is related closely to the use of fertilizers, and is connected with the investigations as to the agricultural values of fertilizers required by the Fertilizer Control, for these vary in their effect upon different soils.

### COOPERATIVE FERTILIZER EXPERIMENTS.

The Chemist of the Experiment Station each year carries out one hundred or more cooperative experiments with fertilizers. Fertilizers are furnished on the condition that the farmer pay the freight, carry out the experiment, report results, and send a sample of soil if requested. Farmers thus have an opportunity to try the effect of fertilizers on their own farms, under competent directions. The results of the experiments are published from time to time, and are valuable, not only to the farmers concerned, but also to other farmers, and to the State at large. By means of the soil analyses, relation is traced between results of the experiments and the needs of different types of soils in various parts of the State. Applications to take part in the experiments should be sent in during November or December. The number of experiments which can be carried out in any one year, is, of course, limited.

### USE OF FERTILIZERS IN TEXAS.

A map showing the localities of the State in which fertilizer was sold in 1912-13 was published in Bulletin No. 160. The total amount sold this season is so nearly the same as that last year, that it was not considered necessary to prepare a new map.

### HOME MIXING.

It is often possible for consumers of fertilizers to save money by purchasing acid phosphate, cottonseed meal, or other fertilizing ingredients, and make their own mixtures. Information concerning this topic is given in Bulletins of the Texas Experiment Station, free on application. (See especially Bulletin No. 167.)

### BULK SALES.

Fertilizer may be sold in bulk by manufacturers direct to consumers for their own use; the tax must, in such case, be paid by the manufacturer. Fertilizer purchased in bulk and then sold or distributed, must be bagged, and must have a tax tag attached to each sack, also a tag showing the guaranteed analysis of the fertilizer. Considerable saving, both in freight and purchase price, may be made by purchasing ferti-

lizer in bulk. For further instructions as to the law concerning bulk sales, address the State Chemist at College Station.

### LOW GRADE FERTILIZERS.

Purchasers are advised not to buy low grade fertilizers. The words "Low Grade" appear on the sack. The plant food in such fertilizer usually costs much more per pound than in standard grade or high grade goods, although the price per ton or per sack may be a little lower.

### COTTONSEED PRODUCTS.

Cottonseed meal sold for fertilizer purposes comes under the fertilizer law. Cottonseed products containing less than 6.88 per cent nitrogen, may not be sold as cottonseed meal, but must be termed cottonseed fertilizer, cottonseed meal and hulls, or given some other name to indicate that it is below the requirements for cottonseed meal.

### ANALYSES BELOW GUARANTEE.

Whenever any lot of fertilizer is below guarantee 4 per cent or more, all persons who have sold this lot of fertilizer must make good the deficiency to all purchasers. The rebate is paid by the manufacturer to the dealer and by the dealer to the consumer.

A number of rebates have been paid under this provision of the law. Some few are in process of adjustment.

### EXPLANATION OF TERMS.

*Available Phosphoric Acid* is the phosphoric acid which can be taken up immediately by plants. Phosphoric acid promotes the fruiting of plants, though it is necessary for the development of all parts.

*Total Phosphoric Acid* is the entire quantity of the phosphoric acid present, whether available or not. A guarantee of total in place of available is made in bone, tankage, rock phosphate and Thomas phosphate.

*Nitrogen* is the total nitrogen in the fertilizer. It is necessary for the development of all parts of the plant, but an excess of nitrogen delays maturity and is liable to promote growth of stalk and leaves at expense of fruit. Nitrogen is needed by many Texas soils.

*Potash* is the potash soluble in water. A great many Texas soils contain a sufficient quantity of potash, so that its use in fertilizers on such soils is a useless expense. Potash, like nitrogen, is needed by all parts of the plant, but especially by stalk and leaves. An excess of potash delays maturity and is liable to promote growth of stalk and leaves at the expense of fruit.

*Valuation per ton* represents the cost of the plant food in the unmixed raw material, at retail, in large markets. It is not the price



at which the fertilizer is sold. The selling price includes cost of mixing, sacks, transportation and manufacturers' and dealers' profits.

### FERTILIZER VALUATIONS, 1913-14.

The following valuations were adopted for the plant food in commercial fertilizers sold in Texas for the season 1913-14:

	Cents per pound.
Available Phosphoric Acid.....	6
Total Phosphoric Acid in tankage and bone.....	4
Nitrogen in mixed fertilizers, bat guano.....	20
Nitrogen in bone and tankage.....	19
Potash .....	6

### ANALYSIS OF FERTILIZERS, 1913-14.

Table 1 contains a list of all samples of fertilizers subjected to analysis in the season September 1, 1913, to date. The table gives the name and address of the manufacturer, the name of the brand, the guaranteed analysis, and the analysis found. Analyses below guarantee are brought out in heavy type. Practically all the samples were collected by inspectors of this Department. Analyses and inspection were made by Messrs. S. E. Asbury, T. L. Ogier, H. B. Spaulding, L. A. Hudgins and J. W. Chewning.

### REGISTRATION, 1913-14.

A list of brands registered for sale in the season of 1913-14 is given in Table 2. Many of the brands so registered were sold only in lots of a few sacks, or were not sold at all in the State.

# COMMERCIAL FERTILIZERS IN 1913-1914.

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Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
	<b>Arkansas Fertilizer Co., Little Rock, Ark.—</b>				
25667	White Diamond High Grade Acid Phosphate—Guarantee	14.00			\$16.80
	Analysis	13.42			16.10
25897	White Diamond High Grade Southern Queen—Guarantee	10.00	1.65	2.00	21.00
	Analysis	9.77	1.04	1.82	18.06
25724	White Diamond High Grade Special Acid Phosphate—Guarantee	16.00			19.20
	Analysis	16.45			19.74
25726	White Diamond Twentieth Century Fertilizer—Guarantee	9.00	1.65	2.00	19.80
	Analysis	10.07	1.54	2.77	21.56
25666	White Diamond Standard Grade Texas Special—Guarantee	10.00	1.65	1.00	19.80
	Analysis	11.97	1.86	1.07	23.08
	<b>Armour Fertilizer Works, New Orleans, La., and Fort Worth Texas—</b>				
25374	Armour's Bone Meal—Guarantee	*22.00	2.00		25.20
	Analysis	*21.14	2.09		24.85
25367	Armour's Cottonseed Meal Special—Guarantee	10.00	1.65	1.50	20.40
25375	Analysis	9.06	1.82	1.66	20.14
25434	Analysis	10.85	1.44	1.37	20.42
25483	Analysis	9.96	1.74	1.72	20.97
25650	Analysis	10.69	1.72	1.67	21.70
25811	Analysis	10.52	1.67	1.45	21.04
	Analysis	10.76	1.92	1.52	22.41
25207	Armour's 14 Per Cent Shield Phosphate—Guarantee	14.00			16.80
25290	Analysis	13.73			16.48
25368	Analysis	14.66			17.59
25370	Analysis	14.39			17.27
25566	Analysis	14.70			17.64
25610	Analysis	13.80			16.56
	Analysis	14.83			17.80
25565	Armour's Kainit—Guarantee			12.00	14.40
	Analysis			14.55	17.46
25267	Armour's King Cotton—Guarantee	8.00	1.65	2.00	18.60
25289	Analysis	8.39	1.75	1.93	19.35
25369	Analysis	8.25	1.52	1.82	18.16
25371	Analysis	10.54	1.92	1.60	22.25
25372	Analysis	7.16	2.25	1.79	19.73
25525	Analysis	8.10	1.53	1.75	17.94
25607	Analysis	8.88	1.66	2.04	19.75
25608	Analysis	8.99	1.66	1.94	19.76
25609	Analysis	8.37	1.53	1.96	18.51
25647	Analysis	8.56	1.71	1.99	19.50
25648	Analysis	9.01	1.83	2.02	20.55
25649	Analysis	7.32	1.39	2.00	16.74
25763	Analysis	8.39	1.70	1.73	18.95
	Analysis	8.03	1.66	1.92	18.58
25168	Armour's Onion Fertilizer No. 3—Guarantee	8.00	3.29	6.00	29.96
25169	Analysis	8.22	3.40	6.45	31.20
25172	Analysis	8.21	4.33	6.47	34.93
	Analysis	7.83	3.28	5.35	28.94
25165	Armour's Onion Fertilizer No. 5—Guarantee	3.00	4.94	3.00	26.96
	Analysis	4.03	4.89	3.36	28.43
25160	Armour's Onion Fertilizer No. 7—Guarantee	6.00	3.29	3.00	23.96
	Analysis	6.92	3.56	3.20	26.48
25170	Armour's Onion Fertilizer No. 9—Guarantee	10.00	2.47	6.00	29.08
	Analysis	9.28	2.51	6.15	28.56
25164	Armour's Onion Fertilizer No. 10—Guarantee	3.00	4.94	5.00	29.36
	Analysis	3.69	4.71	4.76	29.98
25163	Armour's Phosphate and Potash No. 102—Guarantee	10.00		2.00	14.40
	Analysis	9.61		1.42	13.23
25171	Armour's Phosphate and Potash No. 1208—Guarantee	12.00		8.00	24.00
25159	Analysis	12.86		8.60	25.75
	Analysis	12.44		8.45	25.08
	<b>Armour's Raw Bone Superphosphate with Potash—</b>				
	Guarantee	* 9.50	1.65	1.50	19.80
25155	Analysis	* 9.48	1.68	1.62	20.03
25268	Analysis	* 9.95	1.58	1.50	20.06
25562	Analysis	*10.30	1.57	1.67	20.68

\*Total.



Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Armour's Fertilizer Works—Continued.</b>					
	Armour's Raw Bone Meal—Guarantee	*22.00	3.70		\$31.60
25373	Analysis	*23.75	3.78		33.36
25580	Analysis	*23.78	3.59		32.66
	Armour's 16 Per Cent Star Phosphate—Guarantee	16.00			19.20
25366	Analysis	16.87			20.24
25433	Analysis	16.17			19.40
25435	Analysis	16.17			19.40
25797	Analysis	16.79			20.15
	Armour's Strawberry Fertilizer—Guarantee	6.00	1.65	5.00	19.80
25564	Analysis	6.95	1.73	4.80	21.02
	Armour's Sulphate of Potash—Guarantee			48.00	57.60
25167	Analysis			50.54	60.65
	Armour's Truck Special No. 2—Guarantee	8.00	1.65	3.00	19.80
25161	Analysis	7.90	1.80	2.73	19.96
25809	Analysis	8.19	1.79	2.47	19.95
	Armour's Vegetable Grower—Guarantee	9.00	2.05	3.00	22.60
25154	Analysis	9.37	2.06	3.35	23.38
25810	Analysis	9.59	2.24	2.27	23.67
	Nitrate of Soda—Guarantee		14.81		59.24
25162	Analysis		15.27		61.08
25166	Analysis		15.27		61.08
<b>Geo. L. Barber, Jacksonville, Texas—</b>					
	Barber's 16 Per Cent Acid Phosphate—Guarantee	16.00			19.20
25206	Analysis	17.59			21.10
<b>The Bowie County Cotton Oil Co., New Boston, Texas—</b>					
	Bowie Cottonseed Meal—Guarantee	2.25	7.25	1.25	33.20
25438	Analysis	2.58	8.09	1.02	36.67
25899	Analysis	2.32	7.96	1.54	35.47
	Bowie 16 Per cent Acid Phosphate—Guarantee	16.00			19.20
25437	Analysis	16.80			20.16
25900	Analysis	16.29			19.55
<b>Bryan Cotton Oil and Fertilizer Co., Bryan, Texas—</b>					
	Star Brand Acid Phosphate—Guarantee	14.00			16.80
25261	Analysis	16.12			19.34
	Star Brand Cotton Fertilizer—Guarantee	10.00	1.80	2.00	21.60
25262	Analysis	11.24	1.66	1.84	22.33
25612	Analysis	9.29	1.85	2.90	22.03
25615	Analysis	10.61	1.77	2.33	22.60
	Star Brand Cotton and Corn Fertilizer—Guarantee	11.50	1.80		21.00
25263	Analysis	12.78	1.75		22.34
25343	Analysis	11.37	1.94		21.40
25344	Analysis	13.48	1.49		22.13
25398	Analysis	11.83	1.55		20.40
25613	Analysis	12.37	2.04		23.00
25641	Analysis	13.09	1.69		22.47
	Star Brand Potato Fertilizer—Guarantee	8.00	3.50		23.60
25614	Analysis	8.59	3.11		22.75
<b>Carthage Fertilizer Co., Carthage, Texas—</b>					
	Carthage Corn Special—Guarantee	9.00	2.00	1.75	20.90
25360	Analysis	9.12	2.12	1.94	21.75
	Carthage Cotton and Corn—Guarantee	10.00	1.65	1.00	19.80
25362	Analysis	9.97	1.75	1.38	20.52
25692	Analysis	10.31	1.94	1.05	21.39
25764	Analysis	11.39	2.00	1.06	22.94
25798	Analysis	10.01	1.13	3.72	18.19
25839	Analysis	11.59	1.80	1.02	22.33
25884	Analysis	10.73	1.65	1.62	21.42
	High Grade Acid Phosphate—Guarantee	16.00			19.20
25361	Analysis	15.67			18.80
<b>Clarksville Cotton Oil Co., Clarksville, Texas—</b>					
	Acid Phosphate—Guarantee	16.00			19.20
25403	Analysis	16.90			20.28
	Cottonseed Meal—Guarantee	2.50	7.00	1.50	32.80
25402	Analysis	2.58	7.48	1.42	34.76
	Kainit—Guarantee			12.00	14.40
25401	Analysis			12.06	14.47

\*Total

Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid—Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
	<b>East Texas Fertilizer Co., Tyler, Texas—</b>				
	Bull Corn and Cotton—Guarantee.....	10.00	2.00	1.00	\$21.20
25638	Analysis.....	8.65	1.88	3.12	21.64
25765	Analysis.....	10.53	1.45	1.85	20.72
25868	Analysis.....	11.21	1.75	1.46	22.00
	<b>East Texas Corn and Cotton Grower—Guarantee.....</b>	8.00	2.00	2.00	20.00
25213	Analysis.....	8.68	1.85	3.14	22.40
25218	Analysis.....	9.39	1.80	2.25	21.17
25462	Analysis.....	9.31	1.89	3.25	22.63
25596	Analysis.....	8.61	2.23	2.88	22.71
25678	Analysis.....	10.14	1.57	2.37	21.29
25766	Analysis.....	8.66	1.74	2.47	20.31
25865	Analysis.....	9.89	2.00	1.83	22.07
	<b>East Texas Crop Grower—Guarantee.....</b>	8.00	3.00	3.00	25.20
25221	Analysis.....	10.92	2.42	2.51	25.79
25860	Analysis.....	10.29	2.48	3.30	26.23
	<b>14 Per Cent Acid Phosphate—Guarantee.....</b>	14.00			16.80
25217	Analysis.....	14.10			16.92
25400	Analysis.....	13.95			16.74
25598	Analysis.....	13.61			16.33
	<b>Kainit—Guarantee.....</b>			12.00	14.40
25224	Analysis.....			12.20	14.64
	<b>16 Per Cent Acid Phosphate—Guarantee.....</b>	16.00			19.20
25223	Analysis.....	14.98			17.98
25460	Analysis.....	17.12			20.54
	<b>Wiley's Cotton and Corn Grower—Guarantee.....</b>	10.00	2.00	2.00	22.40
25222	Analysis.....	10.62	1.78	2.85	23.28
25867	Analysis.....	11.40	1.73	2.34	23.41
	<b>Wiley's Tomato Special—Guarantee.....</b>	9.00	2.80		22.00
25214	Analysis.....	10.88	2.57		23.34
25215	Analysis.....	10.15	2.77		23.26
25216	Analysis.....	10.75	2.71		23.72
25219	Analysis.....	10.24	2.56		22.53
25461	Analysis.....	10.80	2.52		23.04
25866	Analysis.....	12.04	1.81		21.69
	<b>Farmers Oil and Fertilizer Co., Texarkana, Texas—</b>				
	Farmer's Acid Phosphate—Guarantee.....	14.00			16.80
25420	Analysis.....	13.32			15.98
25424	Analysis.....	13.00			15.60
25713	Analysis.....	13.85			16.62
	<b>Farmer's Corn Fertilizer—Guarantee.....</b>	8.00	1.65	3.00	19.80
25422	Analysis.....	7.59	1.98	3.72	21.49
25423	Analysis.....	8.10	1.90	5.19	23.55
25717	Analysis.....	8.15	1.65	3.84	20.99
	<b>Farmer's Cotton Fertilizer—Guarantee.....</b>	9.00	1.65	2.00	19.80
25426	Analysis.....	9.00	1.80	2.16	20.59
25430	Analysis.....	8.95	1.83	2.60	21.15
25668	Analysis.....	9.44	1.88	2.40	21.73
25669	Analysis.....	8.53	1.84	2.28	20.34
25708	Analysis.....	9.00	1.76	2.14	20.41
25737	Analysis.....	9.29	1.72	2.77	21.35
25904	Analysis.....	8.83	1.74	2.13	20.12
25903	Analysis.....	8.18	1.58	2.89	19.61
25425	Analysis.....	10.03	1.13	1.48	18.30
	<b>Farmer's Fruit Maker—Guarantee.....</b>	10.00		4.00	16.80
25718	Analysis.....	11.05		3.24	17.15
	<b>Farmer's High Grade Acid Phosphate—Guarantee.....</b>	16.00			19.20
25427	Analysis.....	17.08			20.50
25670	Analysis.....	16.81			20.17
25707	Analysis.....	15.76			18.91
25744	Analysis.....	14.52			17.42
	<b>Farmer's German Kainit—Guarantee.....</b>			12.00	14.40
25418	Analysis.....			14.63	17.56
25714	Analysis.....			14.28	17.14
	<b>Farmer's Low Grade Cotton Fruiter—Guarantee.....</b>	10.00	.83	1.00	16.52
25426	Analysis.....	9.00	1.80	2.16	20.59
25709	Analysis.....	10.25	.92	1.41	17.67
	<b>Farmer's Low Grade Potato Fertilizer—Guarantee.....</b>	10.00	.83	2.00	17.74
25421	Analysis.....	10.00	.86	2.05	17.90
25715	Analysis.....	10.12	1.06	2.34	19.18
	<b>Farmer's Muriate of Potash—Guarantee.....</b>			48.00	57.60
25716	Analysis.....			8.10	9.72

Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid—Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton
	<b>Farmers' Oil and Fertilizer Co., Texarkana, Texas—Continued.</b>				
25710	Farmer's Peanut Fertilizer—Guarantee.....	10.00	.83	5.00	\$21.32
	Analysis.....	9.44	1.03	3.69	19.88
25419	Farmer's Truck Fertilizer—Guarantee.....	8.00	2.47	4.00	24.28
25711	Analysis.....	8.03	2.52	4.72	25.38
	Analysis.....	8.61	2.54	4.58	25.99
	<b>Farmers and Ginners Cotton Oil Co., Sulphur Springs, Texas—</b>				
25411	Acid Phosphate—Guarantee.....	14.00	.....	.....	16.80
	Analysis.....	14.15	.....	.....	16.98
25410	Cottonseed Meal—Guarantee.....	2.00	7.00	1.80	32.56
	Analysis.....	2.50	7.56	1.40	34.92
	<b>Fidelity Chemical Corporation, Houston, Texas—</b>				
25208	Fidelity Ammoniated Superphosphate with Potash—Guarantee.....	10.00	1.65	1.00	19.80
	Analysis.....	9.76	1.54	1.06	19.14
25552	Fidelity Bone Meal Fertilizer—Guarantee.....	*27.00	1.00	.....	25.40
	Analysis.....	*31.54	1.06	.....	29.26
25535	Fidelity Cereal Cultivator Fertilizer—Guarantee.....	6.50	2.47	1.00	18.88
25536	Analysis.....	7.13	2.49	1.29	20.08
	Analysis.....	7.30	2.14	1.40	19.00
25209	Fidelity Cotton Special Fertilizer—Guarantee.....	10.00	1.65	2.00	21.00
	Analysis.....	8.90	1.67	1.43	19.08
25392	Fidelity Cotton Special No. 2 Fertilizer—Guarantee.....	10.00	1.65	1.50	20.40
25534	Analysis.....	10.20	1.59	1.66	20.59
25576	Analysis.....	10.42	1.66	1.80	21.30
	Analysis.....	11.04	1.62	1.44	21.46
25342	Fidelity Cotton Standard Fertilizer—Guarantee.....	8.00	2.06	1.50	19.64
25345	Analysis.....	8.35	3.03	1.50	19.94
25346	Analysis.....	8.67	2.02	1.52	20.30
25533	Analysis.....	6.93	1.87	1.71	17.83
	Analysis.....	8.53	2.00	1.62	20.18
25210	Fidelity 14 Per Cent Acid Phosphate—Guarantee.....	14.00	.....	.....	16.80
	Analysis.....	13.98	.....	.....	16.78
25532	Fidelity 16 Per Cent Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
	Analysis.....	16.86	.....	.....	20.23
25554	Fidelity Potato Special Fertilizer—Guarantee.....	7.00	2.06	3.00	20.24
25577	Analysis.....	8.44	1.97	2.47	20.97
	Analysis.....	7.00	2.00	3.27	20.32
25531	Fidelity Regal Compound—Guarantee.....	10.00	.....	4.00	16.80
	Analysis.....	9.10	.....	3.25	14.82
	<b>Henderson Cotton Oil and Gin Co., Henderson, Texas—</b>				
25355	Henderson Corn Maker—Guarantee.....	8.00	3.00	2.00	24.00
25745	Analysis.....	9.33	2.82	2.36	25.31
25750	Analysis.....	8.83	2.63	2.58	24.22
25879	Analysis.....	9.01	2.51	2.57	23.93
	Analysis.....	8.00	2.59	2.55	23.02
25748	Henderson Cotton Maker—Guarantee.....	9.00	2.00	2.00	21.20
25749	Analysis.....	9.33	1.89	2.46	21.71
25876	Analysis.....	10.29	1.84	2.68	22.93
25877	Analysis.....	9.78	1.79	2.85	22.32
25878	Analysis.....	9.20	2.08	2.34	22.17
	Analysis.....	9.22	2.38	2.55	23.64
25353	Henderson Half and Half—Guarantee.....	7.00	4.00	.....	24.40
25747	Analysis.....	10.51	3.46	.....	26.45
25882	Analysis.....	10.25	3.06	.....	24.54
	Analysis.....	10.97	3.42	.....	26.84
25354	Henderson Staple—Guarantee.....	10.00	1.65	1.00	19.80
25746	Analysis.....	11.87	1.91	1.51	23.69
25881	Analysis.....	10.83	2.05	1.77	23.32
	Analysis.....	10.83	2.04	1.57	23.04
25352	16 Per Cent Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
25880	Analysis.....	17.42	.....	.....	20.90
	Analysis.....	16.58	.....	.....	19.90
	<b>Hillje Bros., Weimar, Texas—</b>				
25139	Weimar Cotton Producer—Guarantee.....	10.25	2.75	.....	23.30
	Analysis.....	10.00	2.64	.....	22.56

\*Total

Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Hopkins County Fertilizer Co., Sulphur Springs, Texas—</b>					
25408	Hopkins County Corn and Cotton—Guarantee.....	8.00	2.00	2.00	\$20.00
	Analysis.....	9.20	1.54	3.41	21.29
25409	Hopkins County Crop Grower—Guarantee.....	8.00	3.00	3.00	25.20
	Analysis.....	10.18	2.56	3.21	26.30
25407	Hopkins Tomato Special—Guarantee.....	9.00	2.77	.....	21.80
	Analysis.....	10.43	2.77	.....	23.59
25404	16 Per Cent Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
	Analysis.....	15.66	.....	.....	18.79
<b>Houston County Oil Mill and Mfg. Co., Crockett, Texas—</b>					
25313	Crockett Cereal Standard—Guarantee.....	8.25	2.25	2.25	21.58
25315	Analysis.....	9.02	2.21	2.52	22.68
25629	Analysis.....	8.97	2.06	2.50	22.00
25782	Analysis.....	9.30	2.25	2.34	22.97
	Analysis.....	8.68	2.07	2.37	21.53
25310	Crockett Compound—Guarantee.....	8.00	3.25	1.25	24.10
25627	Analysis.....	9.75	2.57	1.46	23.73
	Analysis.....	9.25	2.47	1.41	22.67
25578	Crockett Cotton Standard—Guarantee.....	10.25	2.00	2.06	22.70
25633	Analysis.....	10.31	2.01	2.38	23.27
25783	Analysis.....	10.45	2.24	2.42	24.40
	Analysis.....	10.70	1.83	1.95	22.50
	Crockett Fertilizer Cottonseed Meal and Hulls—Guarantee.....	1.06	6.40	1.66	28.86
25739	Analysis.....	2.05	6.88	1.51	31.79
25740	Analysis.....	2.14	6.60	1.49	30.76
25311	Crockett 14 Per Cent Acid Phosphate—Guarantee.....	14.00	.....	.....	16.80
25317	Analysis.....	14.50	.....	.....	17.40
	Analysis.....	14.02	.....	.....	16.82
25630	Crockett Grower—Guarantee.....	5.00	4.25	2.50	26.00
	Analysis.....	6.47	3.57	2.63	25.20
25624	Crockett Onion Grower—Guarantee.....	5.50	5.75	5.30	35.96
	Analysis.....	5.86	4.58	5.17	31.55
25631	Crockett Planters' Triumph—Guarantee.....	9.00	2.00	2.25	21.50
	Analysis.....	9.80	1.90	2.26	22.07
25318	Crockett Phosphate Special—Guarantee.....	11.00	1.50	1.06	20.40
25632	Analysis.....	11.34	1.30	1.20	20.25
	Analysis.....	11.78	1.50	1.08	21.44
25319	Crockett 16 Per Cent Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
25625	Analysis.....	17.28	.....	.....	20.74
25829	Analysis.....	16.30	.....	.....	19.56
25743	Analysis.....	17.53	.....	.....	21.04
	Analysis.....	16.98	.....	.....	20.38
25314	Crockett Special Mixture—Guarantee.....	10.60	1.76	1.10	21.08
25316	Analysis.....	10.29	1.78	1.16	20.85
25628	Analysis.....	10.09	2.33	1.16	22.82
25781	Analysis.....	10.43	1.76	2.12	22.09
	Analysis.....	11.62	1.38	1.11	20.79
25312	Crockett Vegetable Producer—Guarantee.....	7.50	3.00	5.50	27.60
25626	Analysis.....	9.92	2.99	4.86	27.29
	Analysis.....	7.02	3.10	5.88	27.88
<b>Houston Packing Co., Houston, Texas—</b>					
25176	Blood and Bone—Guarantee.....	*14.50	5.60	.....	32.88
25537	Analysis.....	*19.59	4.46	.....	32.62
25573	Analysis.....	*17.06	4.37	.....	30.25
	Analysis.....	*17.61	5.73	.....	33.57
25553	Special Vegetable Grower—Guarantee.....	7.00	2.00	4.00	21.20
	Analysis.....	7.88	1.88	3.79	21.52
<b>Huntsville Cotton Oil Co., Huntsville, Texas—</b>					
25634	Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
25789	Analysis.....	16.83	.....	.....	20.20
	Analysis.....	17.15	.....	.....	20.58
25635	Huntsville High Grade—Guarantee.....	7.40	3.00	3.00	24.48
25790	Analysis.....	8.92	2.89	3.74	26.74
	Analysis.....	8.67	3.65	3.92	29.70
25791	Huntsville Vegetable—Guarantee.....	6.00	4.00	4.00	28.00
	Analysis.....	7.28	4.01	5.07	30.86
25636	Phosphate and Meal—Guarantee.....	7.00	3.50	.....	22.40
25788	Analysis.....	8.86	3.46	.....	24.47
	Analysis.....	8.52	3.81	.....	25.46

\*Total



Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid—Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Industrial Cotton Oil Co., Houston, Texas—</b>					
25751	Industrial Acid Phosphate—Guarantee	18.00	.....	.....	\$21.60
	Analysis	18.86	.....	.....	22.63
25265	Industrial Corn Grower Fertilizer—Guarantee	10.00	1.65	2.00	21.00
	Analysis	11.38	1.61	2.07	22.57
25296	Analysis	11.26	1.66	2.05	22.61
25508	Analysis	10.50	2.00	2.08	23.10
25543	Analysis	10.42	1.88	2.18	22.64
25694	Analysis	10.55	1.81	1.73	21.98
25752	Analysis	10.64	1.74	2.08	22.23
	Industrial Cotton Grower Fertilizer—Guarantee	10.00	1.65	2.00	21.00
25264	Analysis	10.54	1.85	2.45	22.99
	Analysis	11.21	1.77	2.00	22.93
25298	Analysis	11.00	1.92	1.88	23.14
25347	Analysis	11.15	1.64	2.25	22.64
25348	Analysis	10.37	1.86	2.15	22.46
25351	Analysis	10.44	1.66	2.23	21.85
25399	Analysis	10.83	1.89	1.97	22.92
25510	Analysis	11.66	1.69	1.79	22.90
25542	Analysis	10.49	1.81	2.06	22.30
25574	Analysis	10.23	1.73	2.41	22.09
25575	Analysis	10.84	1.96	1.79	23.00
25606	Analysis	11.36	1.60	2.03	22.47
25621	Analysis	11.25	1.70	2.16	22.89
25691	Analysis	11.63	1.69	1.56	22.59
25753	Analysis	11.45	1.65	2.04	22.79
25840	Analysis	10.00	1.90	2.16	22.19
	Industrial 14 per cent Acid Phosphate—Guarantee	14.00	.....	.....	16.80
25511	Analysis	14.69	.....	.....	17.63
	Industrial Special Fertilizer—Guarantee	10.00	1.65	1.00	19.80
25266	Analysis	10.38	1.72	2.06	21.80
25509	Analysis	10.11	1.93	1.32	21.43
25841	Analysis	10.06	1.88	1.44	21.31
	Industrial Vegetable Grower Fertilizer—Guarantee	7.00	2.00	4.00	21.20
25320	Analysis	6.75	2.38	4.24	22.71
25512	Analysis	8.56	2.04	4.00	23.23
25544	Analysis	7.93	2.16	4.27	23.28
<b>Jackson Fertilizer Co., Jackson, Miss.—</b>					
25849	High Grade Red Brand 16 Per Cent Acid Phosphate—Guarantee	16.00	.....	.....	19.20
	Analysis	17.14	.....	.....	20.57
25850	Analysis	17.55	.....	.....	21.06
	Royal C Brand—Guarantee	10.00	1.65	1.50	20.40
25495	Analysis	10.27	1.73	1.76	21.35
25680	Analysis	10.92	1.65	1.87	21.94
25681	Analysis	10.38	1.79	1.62	21.56
25848	Analysis	10.49	1.76	1.65	21.60
25851	Analysis	11.04	1.75	1.61	22.17
<b>Jacksonville Cotton Oil Co., Jacksonville, Texas—</b>					
25190	Cottonseed Meal with Hulls Fertilizer—Guarantee	1.06	6.00	1.66	27.26
	Analysis	2.04	6.07	1.70	28.77
25202	Analysis	1.70	5.86	1.45	27.22
25815	Analysis	2.02	6.34	1.62	29.72
25856	Analysis	2.12	6.78	1.66	31.65
<b>Jefferson Cotton Oil and Fertilizer, Jefferson, Texas—</b>					
25359	Cotton Seed Fertilizer—Guarantee	2.00	6.00	1.50	28.00
	Analysis	2.00	6.52	1.52	30.30
25405	Analysis	2.20	6.42	1.51	30.13
25406	Analysis	2.42	6.63	1.58	31.32
	Cottonseed Fertilizer Meal	2.00	6.88	1.50	31.71
25838	Analysis	1.98	6.26	1.56	29.29
<b>Longview Cotton Oil Co., Longview, Texas—</b>					
25754	Cottonseed Fertilizer—Guarantee	2.00	6.05	1.50	28.40
	Analysis	1.93	6.06	1.42	28.26
25322	Longview Acid Phosphate—Guarantee	16.00	.....	.....	19.20
	Analysis	16.21	.....	.....	19.45
25321	Longview Corn Special—Guarantee	8.00	3.00	2.00	24.00
	Analysis	8.87	2.57	2.49	23.91
25756	Analysis	9.95	2.58	2.57	25.34

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Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid—Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
	<b>Longview Cotton Oil Co., Longview, Texas—Continued.</b>				
	Longview Cotton Special—Guarantee.....	9.00	2.00	2.00	\$21.20
25323	Analysis.....	9.45	2.29	2.73	23.78
25679	Analysis.....	9.63	1.93	2.28	22.01
25755	Analysis.....	10.51	2.09	2.21	23.62
25802	Analysis.....	9.89	2.07	2.24	22.84
	<b>Robt. P. Marbach, Bracken, Texas—</b>				
	Bat Guano—Guarantee.....	4.40	8.80	.....	40.48
25177	Analysis.....	4.14	7.09	.....	33.32
	<b>Marshall Fertilizer Factory, Marshall, Texas—</b>				
	High Grade Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
25672	Analysis.....	16.35	.....	.....	19.62
25757	Analysis.....	17.80	.....	.....	21.36
25885	Analysis.....	14.78	.....	.....	17.74
	High Grade Big Boll Prolific—Guarantee.....	10.00	1.65	2.00	21.00
25356	Analysis.....	10.05	1.68	2.03	21.22
25454	Analysis.....	10.60	1.53	1.63	20.80
	High Grade Vegetable Grower—Guarantee.....	7.00	2.47	4.00	23.08
25394	Analysis.....	7.10	2.53	3.82	23.22
	Nitrate of Soda—Guarantee.....	.....	15.25	.....	61.00
25456	Analysis.....	.....	14.61	.....	58.44
25671	Analysis.....	.....	14.73	.....	58.92
	Red Diamond Acid Phosphate—Guarantee.....	14.00	.....	.....	16.80
25592	Analysis.....	14.63	.....	.....	17.56
	Standard Cotton and Corn Grower—Guarantee.....	10.00	1.65	1.00	19.80
25393	Analysis.....	10.10	1.66	1.08	20.06
25436	Analysis.....	10.18	1.65	1.05	20.06
25455	Analysis.....	10.45	1.78	1.98	20.84
25588	Analysis.....	9.95	1.62	1.03	19.66
25799	Analysis.....	10.70	1.70	1.06	20.91
25872	Analysis.....	11.40	1.67	.84	21.37
	Standard Red Diamond Corn and Cotton Grower—Guarantee.....	10.00	1.65	1.50	20.40
25386	Analysis.....	9.64	1.74	1.68	20.54
	Turner's Racket—Guarantee.....	10.00	1.65	1.00	19.80
25673	Analysis.....	10.01	1.83	1.01	20.54
	<b>Magnolia Cotton Oil Co., Houston, Texas—</b>				
	Fertilizer Meal—Guarantee.....	2.00	6.00	1.00	27.60
25551	Analysis.....	2.32	6.47	1.61	30.59
	<b>Merchants and Planters Oil Co., Houston, Texas—</b>				
	Cottonseed Meal—Guarantee.....	2.00	6.88	1.06	31.14
25527	Analysis.....	2.05	6.29	1.59	29.53
25556	Analysis.....	2.00	6.28	1.57	29.43
25784	Analysis.....	1.93	6.09	1.46	28.43
25826	Analysis.....	2.17	7.02	1.50	32.48
	<b>Meridian Fertilizer Factory, Shreveport, La.—</b>				
	Caddo Cotton—Guarantee.....	9.25	1.88	1.00	19.82
25245	Analysis.....	11.08	1.84	1.43	22.38
25727	Analysis.....	10.80	2.14	1.26	23.03
25774	Analysis.....	10.77	1.89	1.36	22.11
25890	Analysis.....	9.63	2.08	1.63	21.84
	Caddo Vegetable—Guarantee.....	8.00	3.30	4.00	27.60
25843	Analysis.....	9.16	3.02	4.90	28.95
	Corn Grower—Guarantee.....	7.50	2.88	1.00	21.72
25231	Analysis.....	10.91	1.82	1.25	21.87
25288	Analysis.....	9.34	2.65	1.43	23.52
25520	Analysis.....	9.14	2.31	1.58	22.11
25787	Analysis.....	9.73	2.50	1.44	23.40
	Cottonseed Meal Fertilizer—Guarantee.....	.....	6.58	.....	26.32
25693	Analysis.....	.....	5.61	.....	22.44
	Meridian Blood and Bone—Guarantee.....	10.00	1.65	1.00	19.80
25197	Analysis.....	10.15	1.66	1.10	20.14
25276	Analysis.....	10.73	1.49	1.27	20.35
25309	Analysis.....	11.90	1.90	1.42	23.58
25476	Analysis.....	10.59	1.97	1.26	22.10
25497	Analysis.....	11.56	1.73	.93	21.91
25594	Analysis.....	11.43	1.51	.73	20.64
25640	Analysis.....	12.71	1.65	1.17	23.25
25771	Analysis.....	10.33	1.92	1.40	21.76

Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid— Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
Meridian Fertilizer Factory, Shreveport, La.—Continued.					
Meridian Blood and Bone—Continued.					
25864	Analysis	9.84	1.62	1.96	\$20.64
25898	Analysis	11.84	1.88	1.16	23.12
	Meridian Bone and Potash—Guarantee	12.00		2.00	16.80
25184	Analysis	13.33		2.47	18.95
	Meridian Corn Club Special—Guarantee	7.50	2.47	1.00	20.08
25775	Analysis	8.94	2.42	1.26	21.92
	Meridian Cotton and Corn Special—Guarantee	9.00	2.47	3.00	24.28
25572	Analysis	10.61	2.24	2.53	24.73
25584	Analysis	8.24	2.68	3.82	25.19
	Meridian German Kainit—Guarantee			12.00	14.40
25275	Analysis			12.64	15.17
25658	Analysis			13.35	16.02
	Meridian Home Mixture—Guarantee	10.00	1.65	1.00	19.80
25152	Analysis	8.47	2.14	1.45	20.46
25230	Analysis	11.23	1.98	1.22	22.86
25233	Analysis	11.02	1.68	1.40	21.62
25271	Analysis	11.41	1.70	1.48	22.27
25273	Analysis	10.36	1.91	1.26	21.58
25349	Analysis	11.82	1.66	1.38	22.48
25350	Analysis	11.25	1.79	1.29	22.21
25365	Analysis	11.08	1.96	1.85	23.36
25395	Analysis	10.55	1.64	1.23	20.70
25432	Analysis	11.64	1.68	1.16	22.08
25448	Analysis	10.50	2.13	1.10	22.44
25449	Analysis	12.07	1.55	1.08	21.98
25457	Analysis	10.47	1.87	1.32	21.62
25475	Analysis	9.40	1.96	1.10	20.40
25501	Analysis	10.98	1.90	1.32	22.35
25603	Analysis	10.64	1.69	1.51	21.34
25642	Analysis	10.04	1.86	1.29	21.04
25651	Analysis	9.63	1.81	1.53	20.64
25652	Analysis	11.48	1.72	1.36	22.29
25683	Analysis	11.80	1.79	1.77	23.44
25706	Analysis	11.63	1.81	1.39	22.86
25728	Analysis	11.87	1.68	1.22	22.42
25759	Analysis	10.26	1.74	1.51	21.08
25772	Analysis	10.59	1.69	1.45	21.21
25785	Analysis	10.10	1.99	1.63	22.04
25808	Analysis	10.67	1.88	1.58	22.22
25824	Analysis	10.78	1.78	1.45	21.80
25875	Analysis	11.70	1.80	1.26	22.75
25891	Analysis	10.09	1.77	1.47	20.95
	Meridian Meal Mixture—Guarantee	10.00	1.65	1.00	19.80
25194	Analysis	11.16	1.74	1.32	21.93
25211	Analysis	11.53	1.84	1.21	22.64
25235	Analysis	11.23	1.49	1.17	20.84
25287	Analysis	11.27	1.67	1.15	21.58
25500	Analysis	11.59	1.92	1.22	23.05
25599	Analysis	12.02	1.66	1.36	22.69
25659	Analysis	10.02	1.74	1.51	20.79
25862	Analysis	10.06	1.68	1.63	20.75
	Meridian Nitrated Bone and Potash—Guarantee	10.00	1.65	2.00	21.00
25274	Analysis	11.91	1.43	2.18	22.63
25639	Analysis	11.77	.81	2.36	20.19
25842	Analysis	11.24	2.24	2.03	24.89
	Meridian Perfection Meal Compound—Guarantee	10.00	2.47	3.00	25.48
25682	Analysis	9.72	2.41	3.62	25.64
	Meridian Potash Compound—Guarantee	10.00		4.00	16.80
25270	Analysis	10.23		5.18	18.49
25786	Analysis	10.56		4.41	17.47
25822	Analysis	10.01		4.89	17.88
25823	Analysis	10.25		4.32	17.48
25825	Analysis	10.11		3.02	15.75
25828	Analysis	10.35		4.23	17.49
	Meridian Potato Special—Guarantee	8.00	3.30	2.00	25.20
25546	Analysis	10.75	2.82	2.32	26.96
	Meridian Soluble Guano—Guarantee	10.00	1.65	1.50	20.40
25705	Analysis	10.65	1.69	1.69	21.57
	Meridian Southern Acid Phosphate—Guarantee	14.00			16.80
25198	Analysis	16.01			19.21
25478	Analysis	16.63			19.95



Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid—Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Meridian Fertilizer Factory, Shreveport, La.—Continued.</b>					
	Meridian Standard Cotton and Corn—Guarantee.....	8.00	2.00	2.00	\$20.00
25421	Analysis.....	9.76	1.86	2.10	21.68
25571	Analysis.....	9.49	2.07	2.36	22.51
25247	Analysis.....	9.76	1.86	2.10	21.68
	Meridian Strawberry Special—Guarantee.....	10.00	1.65	5.00	24.60
25183	Analysis.....	11.66	1.82	6.07	28.18
	Meridian Tomato Special—Guarantee.....	10.00	2.47	1.00	23.08
25195	Analysis.....	10.69	2.40	1.74	24.52
25212	Analysis.....	10.95	2.35	1.43	24.26
25232	Analysis.....	10.59	2.48	1.26	24.14
25234	Analysis.....	11.38	2.71	1.25	26.00
25243	Analysis.....	10.85	2.56	1.29	24.81
25260	Analysis.....	10.80	2.60	1.28	24.89
25586	Analysis.....	11.01	2.20	1.34	23.62
25807	Analysis.....	11.19	2.29	1.58	24.48
	Meridian Truckers Special—Guarantee.....	9.00	1.65	2.00	19.80
25182	Analysis.....	10.41	1.86	3.02	23.55
25196	Analysis.....	10.26	1.88	2.22	22.49
25246	Analysis.....	10.28	1.70	2.08	21.63
25459	Analysis.....	10.05	2.24	2.20	23.66
25585	Analysis.....	9.45	1.63	2.48	20.84
25228	Analysis.....	10.25	1.48	2.20	20.86
	Meridian Vegetable Grower—Guarantee.....	8.00	2.47	5.00	25.45
25151	Analysis.....	7.49	2.45	6.52	26.60
25153	Analysis.....	9.09	2.50	4.69	26.53
25229	Analysis.....	9.14	2.90	5.18	28.79
25244	Analysis.....	8.53	2.33	5.59	26.27
25269	Analysis.....	8.85	2.34	5.42	26.48
25364	Analysis.....	8.78	2.42	5.73	27.10
25451	Analysis.....	9.36	2.46	4.99	27.06
25657	Analysis.....	8.86	2.89	5.26	28.50
25703	Analysis.....	9.16	2.52	5.26	27.38
	Muriate of Potash—Guarantee.....	.....	.....	50.00	60.00
25150	Analysis.....	.....	.....	49.56	59.47
25652	Analysis.....	.....	.....	49.82	59.78
	Nitrate of Soda—Guarantee.....	.....	15.00	.....	60.00
25447	Analysis.....	.....	14.87	.....	59.48
25474	Analysis.....	.....	14.71	.....	58.84
	Star—Guarantee.....	10.00	1.65	1.00	19.80
25477	Analysis.....	11.33	1.80	1.26	22.31
25654	Analysis.....	10.07	2.03	1.49	21.99
25861	Analysis.....	10.73	1.88	1.41	22.09
25892	Analysis.....	11.52	1.88	1.41	23.03
	Texas Special—Guarantee.....	10.00	2.72	.....	22.88
25452	Analysis.....	11.54	2.55	.....	24.04
	Union Special Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
25236	Analysis.....	17.11	.....	.....	20.53
25277	Analysis.....	17.40	.....	.....	20.88
25450	Analysis.....	16.77	.....	.....	20.12
25458	Analysis.....	16.86	.....	.....	20.23
25498	Analysis.....	16.58	.....	.....	19.90
25499	Analysis.....	17.74	.....	.....	21.29
25545	Analysis.....	17.06	.....	.....	20.47
25637	Analysis.....	17.00	.....	.....	20.40
25635	Analysis.....	17.39	.....	.....	20.87
25656	Analysis.....	17.32	.....	.....	20.78
25702	Analysis.....	17.98	.....	.....	21.58
25704	Analysis.....	14.77	.....	.....	17.72
25773	Analysis.....	17.70	.....	.....	21.24
25806	Analysis.....	17.13	.....	.....	20.56
25863	Analysis.....	17.69	.....	.....	21.23
	Weevil Beater Guano—Guarantee.....	10.00	1.65	1.00	19.80
25272	Analysis.....	11.55	1.75	1.30	22.42
25600	Analysis.....	10.13	1.84	1.16	20.90
<b>Nacogdoches Oil Mill, Nacogdoches, Texas—</b>					
	Carisco Corn Grower—Guarantee.....	7.00	3.29	1.00	22.76
25337	Analysis.....	8.13	3.28	1.81	25.05
25854	Analysis.....	7.78	3.70	1.88	26.40
25869	Analysis.....	8.17	3.96	1.80	27.80
	Loco Cotton Grower—Guarantee.....	10.00	1.65	1.00	19.80
25336	Analysis.....	10.43	1.86	1.58	21.86
25776	Analysis.....	10.53	1.89	1.32	21.78
25853	Analysis.....	10.29	2.01	1.45	22.13

Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid—Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Nacogdoches Oil Mill, Nacogdoches, Texas—Continued.</b>					
	Nacogdoches 16 Per Cent Acid Phosphate—Guarantee.	16.00	.....	.....	\$19.20
25335	Analysis.	16.10	.....	.....	19.32
25852	Analysis.	17.95	.....	.....	21.54
25871	Analysis.	16.31	.....	.....	19.57
	Tusco Cotton Grower—Guarantee.	10.00	1.65	2.00	21.00
25334	Analysis.	10.28	1.68	2.30	21.82
25855	Analysis.	10.91	2.15	2.31	24.46
25870	Analysis.	10.38	1.88	2.50	22.98
<b>New Orleans Acid and Fertilizer Co., New Orleans, La.—</b>					
	American Truckers Special—Guarantee.	10.00	1.65	5.00	24.60
25279	Analysis.	10.59	1.62	4.86	25.02
25814	Analysis.	9.46	1.95	4.82	24.93
	Ammoniated Raw Bone Superphosphate and Potash—Guarantee.	10.00	1.65	1.00	19.80
25281	Analysis.	9.83	1.64	1.46	20.01
25480	Analysis.	10.49	1.50	.95	19.73
25550	Analysis.	10.27	1.81	1.13	20.91
	Black Diamond Acid Phosphate—Guarantee.	12.00	.....	.....	14.40
25185	Analysis.	12.33	.....	.....	14.80
25557	Analysis.	12.33	.....	.....	14.80
	Blood, Bone and Potash—Guarantee.	10.00	1.65	1.00	19.80
25252	Analysis.	9.61	1.88	.97	20.21
25507	Analysis.	9.78	1.43	1.34	19.07
25548	Analysis.	10.78	1.68	.89	20.73
25831	Analysis.	9.67	1.60	.89	19.07
	Bull Dog Acid Phosphate—Guarantee.	16.00	.....	.....	19.20
25186	Analysis.	15.58	.....	.....	18.70
25251	Analysis.	17.56	.....	.....	21.07
25363	Analysis.	16.99	.....	.....	20.38
	Economizer—Guarantee.	10.00	1.65	2.00	21.00
25301	Analysis.	10.42	1.64	2.02	21.48
25602	Analysis.	11.91	1.56	1.67	22.53
	Golden Guano—Guarantee.	10.00	1.65	1.00	19.80
25479	Analysis.	9.45	1.87	1.62	20.76
25519	Analysis.	10.57	1.60	.99	20.27
	Goldsmiths Improved Mixture—Guarantee.	10.00	1.65	1.00	19.80
25250	Analysis.	12.02	1.15	.93	20.74
25280	Analysis.	10.59	1.66	1.24	20.84
25505	Analysis.	10.49	1.67	1.25	20.77
25506	Analysis.	11.20	1.96	1.10	22.60
25547	Analysis.	10.94	1.54	1.79	21.44
25812	Analysis.	10.44	1.37	1.03	19.25
25830	Analysis.	7.77	1.72	.95	17.34
	Honduras Rice Growers—Guarantee.	12.00	.....	4.00	19.20
25813	Analysis.	12.89	.....	3.30	19.43
	Kainit—Guarantee.	.....	.....	12.00	14.40
25518	Analysis.	.....	.....	12.84	15.49
	Meal Ammoniated Superphosphate and Potash.	10.00	1.65	1.00	19.80
25549	Analysis.	12.40	1.54	.88	22.10
25676	Analysis.	10.10	1.71	.84	19.97
	Muriate of Potash—Guarantee.	.....	.....	50.00	60.00
25300	Analysis.	.....	.....	50.57	60.68
	New Orleans Acid Phosphate—Guarantee.	14.00	.....	.....	16.80
25278	Analysis.	14.37	.....	.....	17.24
25413	Analysis.	15.73	.....	.....	18.88
	Vegetable Grower—Guarantee.	6.00	2.47	4.00	21.88
25253	Analysis.	7.90	1.72	3.69	20.79
25299	Analysis.	5.85	2.45	4.37	22.06
<b>Nitrate Agencies, Houston, Texas—</b>					
	Basic Slag—Guarantee.	*17.00	.....	.....	13.60
25794	Analysis.	*18.46	.....	.....	14.77
	High Grade 16 Per Cent Acid Phosphate—Guarantee.	16.00	.....	.....	19.20
25758	Analysis.	17.15	.....	.....	20.58
25767	Analysis.	16.52	.....	.....	19.82
25832	Analysis.	18.13	.....	.....	21.76
	Nitrate of Soda—Guarantee.	.....	15.00	.....	60.00
25833	Analysis.	.....	14.94	.....	59.76

\*Total,

Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid—Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
	<b>Pelican Fertilizer Works, Shreveport, La.—</b>				
	Pelican Fish Formula—Guarantee.....	10.00	1.65	1.00	\$19.80
25675	Analysis.....	10.87	1.84	1.83	22.60
25700	Analysis.....	11.87	1.88	1.13	23.12
	Pelican Golden West—Guarantee.....	10.00	1.65	1.00	19.80
25699	Analysis.....	11.36	1.98	.95	22.69
	Pelican High Grade—Guarantee.....	9.00	2.47	3.00	24.28
25192	Analysis.....	10.24	2.45	2.78	25.43
25857	Analysis.....	7.73	3.24	3.12	25.98
	Pelican Meal Compound—Guarantee.....	10.00	1.65	1.00	19.80
25605	Analysis.....	12.14	1.94	1.37	23.97
25677	Analysis.....	10.62	1.80	1.58	21.84
25723	Analysis.....	10.10	1.83	1.36	21.07
25742	Analysis.....	10.58	1.85	1.55	22.00
25895	Analysis.....	8.84	2.26	2.48	22.63
25896	Analysis.....	11.14	1.74	1.49	22.12
	Pelican Special Phosphate—Guarantee.....	16.00			19.20
25191	Analysis.....	17.92			21.50
	Pelican Tomato Special—Guarantee.....	10.00	2.47	1.00	23.08
25193	Analysis.....	10.53	2.31	2.06	24.35
	<b>Pittsburg Cotton Oil Co., Pittsburg, Texas—</b>				
	Acid Phosphate—Guarantee.....	16.00			19.20
25453	Analysis.....	15.83			19.00
	<b>Planters' Fertilizer and Chemical Co., Fort Worth, Texas, New Orleans, La.—</b>				
	14 Per Cent Acid Phosphate—Guarantee.....	14.00			16.80
25293	Analysis.....	14.62			17.54
25339	Analysis.....	14.84			17.81
	Planter's Cotton and Corn No. 1—Guarantee.....	9.50	1.65	1.50	19.80
25340	Analysis.....	9.77	1.65	1.46	19.99
25390	Analysis.....	10.32	1.80	1.24	21.07
25623	Analysis.....	10.79	1.75	1.13	21.31
25777	Analysis.....	9.11	1.68	1.57	19.53
	Planter's Cotton Grower—Guarantee.....	10.00	1.65	1.50	20.40
25503	Analysis.....	10.10	1.69	1.69	20.91
	Planter's Golden Mixture—Guarantee.....	9.50	1.65	1.50	19.80
25188	Analysis.....	10.09	1.71	3.01	22.56
25338	Analysis.....	9.75	1.69	1.68	20.47
25388	Analysis.....	9.77	1.69	1.35	20.11
25522	Analysis.....	9.80	1.75	3.27	22.78
	Planter's Kainit—Guarantee.....			12.00	14.40
25204	Analysis.....			13.84	16.61
25579	Analysis.....			12.52	15.02
	Planter's Muriate of Potash—Guarantee.....			50.00	60.00
25569	Analysis.....			48.84	58.61
	Planter's Nitrate of Soda—Guarantee.....		14.81		59.24
25205	Analysis.....		14.31		57.24
	Planter's Potato Fertilizer No. 1—Guarantee.....	8.00	2.05	6.00	25.00
25291	Analysis.....	8.19	2.15	6.47	26.19
	Planter's Raw Bone Meal—Guarantee.....	*22.00	3.70		31.66
25581	Analysis.....	*22.60	3.47		31.27
	Planter's Raw Bone Superphosphate with Potash—Guarantee.....	9.50	1.65	1.50	19.80
25570	Analysis.....	9.04	1.78	1.38	19.63
	Planter's Special Farm Mixture—Guarantee.....	10.00	1.65	1.50	20.40
25201	Analysis.....	10.21	1.66	1.58	20.79
25504	Analysis.....	10.98	1.78	1.54	22.14
	Planter's Stubbs Formula for Cotton and Corn—Guarantee.....	8.00	1.65	2.00	18.60
25292	Analysis.....	8.04	1.61	2.03	18.53
	Planter's Sulphate of Potash—Guarantee.....			48.00	57.60
25203	Analysis.....			49.23	59.08
	Planter's Vegetable Grower—Guarantee.....	7.00	2.47	3.50	22.48
25187	Analysis.....	7.80	2.41	3.16	22.79
25391	Analysis.....	7.09	2.33	3.19	21.66
25521	Analysis.....	7.13	2.27	3.64	22.01
	16 Per Cent Acid Phosphate—Guarantee.....	16.00			19.20
26389	Analysis.....	16.58			19.90
25431	Analysis.....	17.02			20.42
25643	Analysis.....	17.35			20.82

\*Total.

Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Planters' Fertilizer and Chemical Co., Fort Worth, Texas, New Orleans, La.—Continued.</b>					
16 per cent Acid Phosphate—Continued.					
25778	Analysis.....	16.90	.....	.....	\$20.28
25801	Analysis.....	17.86	.....	.....	21.43
<b>Rockdale Oil Co., Rockdale, Texas—</b>					
Superior Brand Acid Phosphate Fertilizer—Guarantee.....					
25237	Analysis.....	14.00	.....	.....	16.80
	Analysis.....	14.35	.....	.....	17.22
Superior Brand Corn and Cotton Fertilizer—Guarantee.....					
25239	Analysis.....	11.00	1.90	.....	20.80
25516	Analysis.....	11.48	1.62	.....	20.25
	Analysis.....	11.18	2.04	.....	21.58
Superior Brand Cotton Special Fertilizer—Guarantee.....					
25238	Analysis.....	8.00	1.70	3.00	20.00
25517	Analysis.....	8.17	1.71	3.08	20.34
	Analysis.....	8.36	1.85	4.11	22.36
<b>San Augustine Fertilizer Co., San Augustine, Texas—</b>					
Augustine Acid Phosphate—Guarantee.....					
25282	Analysis.....	16.00	.....	.....	19.20
	Analysis.....	16.67	.....	.....	20.00
Augustine High Grade—Guarantee.....					
25284	Analysis.....	10.00	1.65	2.00	21.00
25915	Analysis.....	11.44	1.53	2.20	22.49
	Analysis.....	11.80	1.56	2.03	22.84
Augustine Standard Grade—Guarantee.....					
25286	Analysis.....	8.00	2.06	1.50	19.64
25560	Analysis.....	8.75	1.85	1.46	19.65
	Analysis.....	7.86	2.12	1.64	19.88
Augustine Vegetable Special—Guarantee.....					
25285	Analysis.....	6.00	2.47	5.00	23.08
	Analysis.....	6.07	2.11	6.50	23.52
Parker's Best—Guarantee.....					
25283	Analysis.....	8.50	3.55	.....	24.40
	Analysis.....	9.44	3.60	.....	25.73
<b>Shreveport Fertilizer Works, Shreveport, La.—</b>					
B. F. Campbell's Cotton Grower—Guarantee.....					
25887	Analysis.....	9.00	2.00	1.00	20.00
	Analysis.....	10.83	2.39	1.22	24.02
Campbell's Veribest—Guarantee.....					
25645	Analysis.....	9.00	3.30	7.00	32.40
	Analysis.....	10.59	3.54	4.81	32.64
Corn Grower No. 2—Guarantee.....					
25306	Analysis.....	6.50	2.47	1.00	18.88
	Analysis.....	11.13	2.51	1.62	25.34
Jefferson Fertilizer—Guarantee.....					
25412	Analysis.....	10.00	1.65	2.00	21.00
	Analysis.....	10.85	1.78	2.09	22.65
Lion Ammoniated Raw Bone Superphosphate—Guarantee.....					
25559	Analysis.....	9.50	1.65	1.50	19.80
	Analysis.....	8.07	2.26	2.60	21.84
Lion Big Boll Fertilizer—Guarantee.....					
25646	Analysis.....	10.00	1.65	1.50	20.40
25697	Analysis.....	10.41	1.71	1.82	21.51
	Analysis.....	10.95	1.77	1.58	22.12
Lion Blood and Bone—Guarantee.....					
25307	Analysis.....	10.00	1.65	1.00	19.80
25482	Analysis.....	11.27	1.86	1.32	22.54
25487	Analysis.....	10.46	1.91	1.21	21.64
25820	Analysis.....	10.87	1.87	1.16	21.91
25910	Analysis.....	12.44	1.81	1.44	23.90
	Analysis.....	12.36	1.54	1.39	22.66
Lion Corn Food—Guarantee.....					
25254	Analysis.....	7.50	2.50	1.50	20.80
25325	Analysis.....	9.81	2.55	1.62	23.95
25684	Analysis.....	9.18	2.21	1.80	22.01
25792	Analysis.....	7.95	2.46	1.57	21.26
25909	Analysis.....	7.50	2.40	1.54	20.45
25333	Analysis.....	11.14	2.44	1.92	25.43
25685	Analysis.....	10.62	1.79	1.57	21.78
25685	Analysis.....	10.20	1.89	1.13	21.16
25698	Analysis.....	9.76	1.89	1.18	20.68
25730	Analysis.....	10.07	2.02	1.38	21.82
Lion Cotton and Corn—Guarantee.....					
25303	Analysis.....	9.00	1.65	2.00	19.80
25835	Analysis.....	10.15	1.76	2.27	21.91
	Analysis.....	9.06	1.70	2.29	20.42
Lion Cottonseed Meal Mixture—Guarantee.....					
25200	Analysis.....	10.00	1.65	1.00	19.80
25241	Analysis.....	10.04	1.84	1.16	22.00
25256	Analysis.....	11.15	1.62	1.53	21.70
25308	Analysis.....	11.43	1.74	1.26	22.19
25331	Analysis.....	11.03	1.82	1.18	21.93
25396	Analysis.....	11.40	1.75	1.23	22.16
25466	Analysis.....	11.19	1.78	1.15	21.98
25484	Analysis.....	10.92	1.71	1.04	21.18
25489	Analysis.....	10.83	1.68	1.00	20.92
	Analysis.....	10.28	1.79	1.14	20.82



Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid—Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Shreveport Fertilizer Works, Shreveport, La.—Continued</b>					
Lion Cotton Seed Meal Mixture—Continued.					
25526	Analysis	10.93	1.70	1.29	\$21.47
25558	Analysis	10.08	1.69	1.21	20.31
25593	Analysis	10.80	1.80	1.14	21.53
25616	Analysis	10.53	1.85	1.15	21.42
26696	Analysis	11.15	1.46	.92	20.32
25731	Analysis	10.50	1.67	1.41	20.97
25770	Analysis	10.75	1.77	1.22	21.44
25793	Analysis	9.93	1.85	1.15	20.69
25800	Analysis	11.90	1.76	1.38	22.98
25821	Analysis	12.74	1.66	1.42	23.63
25837	Analysis	9.27	1.66	.79	18.71
25844	Analysis	10.63	1.75	1.36	21.38
25906	Analysis	11.16	1.62	1.12	21.21
25908	Analysis	13.01	1.95	1.43	25.13
25257	Lion Favorite Fertilizer—Guarantee.	10.00	1.65	1.00	19.80
25485	Analysis	11.36	1.90	1.31	22.80
25687	Analysis	10.89	1.66	1.11	21.04
25729	Analysis	10.88	1.74	1.06	21.29
	Analysis	11.02	2.51	3.58	27.56
Lion German Kainit—Guarantee.					
25490	Analysis			12.00	14.40
	Analysis			13.03	15.64
Lion High Grade Guano—Guarantee.					
25886	Analysis	9.00	2.50	3.00	24.40
	Analysis	8.69	3.26	1.73	25.55
Lion Pacific Guano—Guarantee.					
25397	Analysis	8.00	1.65	2.00	18.60
	Analysis	10.58	1.97	2.28	23.32
Lion Prolific Fruiter—Guarantee.					
25329	Analysis	10.00	2.00	2.00	22.40
	Analysis	10.35	2.37	2.38	24.76
Lion Phosphate—Guarantee.					
25617	Analysis	14.00			16.80
	Analysis	15.31			18.25
Lion Potato Producer—Guarantee.					
25255	Analysis	8.00	3.30	2.00	25.20
25327	Analysis	9.52	3.09	2.24	26.47
25889	Analysis	8.82	3.50	2.16	27.17
	Analysis	8.58	3.62	2.60	27.90
Lion Red Land Cotton Grower—Guarantee.					
25324	Analysis	12.00	1.65	1.00	22.20
25859	Analysis	12.84	1.80	1.31	24.18
	Analysis	12.44	1.76	1.31	23.54
Lion Sandy Soil Special—Guarantee.					
25305	Analysis	8.00	2.00	2.00	20.00
25330	Analysis	9.11	2.14	2.30	22.25
25465	Analysis	9.22	2.06	2.29	22.05
25722	Analysis	8.99	1.98	2.22	21.37
25768	Analysis	8.32	2.04	2.14	20.71
	Analysis	9.01	2.16	1.94	21.78
Lion Success Mixture—Guarantee.					
25259	Analysis	10.00	1.65	1.00	19.80
25302	Analysis	10.82	1.80	1.90	22.40
25464	Analysis	10.84	1.78	1.34	21.73
25486	Analysis	11.00	2.34	1.25	24.06
	Analysis	10.77	1.60	1.21	20.77
Lion Superior Phosphate—Guarantee.					
25858	Analysis	17.00			20.40
	Analysis	17.78			21.33
Lion Tomato Special—Guarantee.					
25199	Analysis	10.00	2.50	1.00	23.20
25240	Analysis	10.52	2.74	1.46	25.33
25326	Analysis	11.26	2.54	1.25	25.18
25463	Analysis	10.61	2.48	1.56	24.52
25836	Analysis	11.23	2.33	1.73	24.88
	Analysis	9.23	3.11	1.92	25.82
Lion Truck Grower—Guarantee.					
25834	Analysis	8.00	2.50	4.00	24.40
25907	Analysis	8.81	2.47	3.94	25.18
25332	Analysis	11.54	2.54	4.12	28.95
	Analysis	9.05	2.65	3.61	25.19
Lion Xtra Good Phosphate—Guarantee.					
25242	Analysis	16.00			19.20
25258	Analysis	17.55			21.06
25304	Analysis	16.83			20.20
25328	Analysis	17.42			20.90
25488	Analysis	16.74			20.09
25597	Analysis	16.93			20.32
25644	Analysis	16.33			19.59
25686	Analysis	16.11			19.33
25769	Analysis	17.02			20.42
25845	Analysis	17.80			21.36
	Analysis	18.02			21.62
New Oil Mill Cotton Special—Guarantee.					
25888	Analysis	9.00	1.88	1.00	19.52
	Analysis	9.12	2.76	1.07	23.26

Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Shreveport Fertilizer Works, Shreveport, La.—Continued.</b>					
25819	Shalley's Rice Grower—Guarantee.....	10.00	.....	4.00	\$16.80
	Analysis.....	10.07	.....	3.96	16.83
25696	Special Formula No. 3—Guarantee.....	6.00	3.30	3.00	24.00
	Analysis.....	6.98	3.38	3.64	26.26
<b>The Southern Cotton Oil Co., Little Rock, Ark.—</b>					
25674	SCO-CO. Cotton Hustler—Guarantee.....	10.00	1.65	1.00	19.80
	Analysis.....	10.55	1.87	1.36	21.77
<b>Swift &amp; Co., Fort Worth, Texas—</b>					
	Swift's Ammoniated Raw Bone Superphosphate—				
	Guarantee.....	9.50	1.65	1.50	19.80
25502	Analysis.....	9.87	1.84	1.55	21.06
25538	Analysis.....	10.09	1.88	1.60	21.55
25555	Analysis.....	9.42	1.69	1.69	20.09
25689	Analysis.....	10.17	1.90	1.58	21.70
25720	Analysis.....	9.24	1.92	1.45	20.51
25901	Analysis.....	9.91	2.01	1.86	22.16
25903	Analysis.....	9.83	1.73	1.81	20.99
	Swift's Diamond D. Fertilizer—Guarantee.....	10.00	1.65	1.00	19.80
25468	Analysis.....	9.00	1.68	1.15	18.90
25803	Analysis.....	8.45	1.80	2.41	20.23
	Swift's Diamond I Fertilizer—Guarantee.....	7.00	3.70	4.00	28.00
25158	Analysis.....	7.34	3.16	4.75	27.12
25179	Analysis.....	7.85	3.92	4.01	29.25
25180	Analysis.....	7.36	3.60	3.35	27.91
	Swift's East Texas Trucker—Guarantee.....	8.00	2.46	3.00	25.04
25467	Analysis.....	7.75	1.89	2.98	20.44
	Swift's Garden City Phosphate—Guarantee.....	14.00	.....	.....	16.80
25539	Analysis.....	14.01	.....	.....	16.81
25591	Analysis.....	12.81	.....	.....	15.37
25601	Analysis.....	12.54	.....	.....	15.05
	Swift's Golden Harvest Cottonseed Meal Compound—				
	Guarantee.....	8.00	1.65	2.00	18.60
25378	Analysis.....	8.98	1.50	2.00	19.18
25721	Analysis.....	8.60	1.72	2.11	19.78
	Swift's High Grade Acid Phosphate—Guarantee.....	16.00	.....	.....	19.20
25469	Analysis.....	17.18	.....	.....	20.62
25590	Analysis.....	16.42	.....	.....	19.70
25719	Analysis.....	16.33	.....	.....	19.60
25541	Analysis.....	16.53	.....	.....	19.84
	Swift's High Grade Early Truck Grower—Guarantee.....	6.00	2.47	6.00	23.58
25540	Analysis.....	6.28	2.38	5.65	23.85
	Swift's Muriate of Potash—Guarantee.....	.....	.....	50.00	60.00
25380	Analysis.....	.....	.....	48.55	58.26
	Swift's Nitrate of Soda—Guarantee.....	.....	14.82	.....	59.28
25376	Analysis.....	.....	14.60	.....	58.40
	Swift's Planter's Special Cottonseed Meal Compound—				
	Guarantee.....	10.00	1.65	1.00	19.80
25902	Analysis.....	11.27	1.74	1.32	22.06
	Swift's Special Cotton Grower—Guarantee.....	9.00	2.47	3.00	24.28
25688	Analysis.....	9.07	2.43	3.07	24.28
	Swift's Special Grain Fertilizer—Guarantee.....	10.00	1.65	2.00	21.00
25796	Analysis.....	6.83	1.80	2.35	18.22
	Swift's Special Vegetable Fertilizer—Guarantee.....	8.00	2.05	6.00	25.00
25524	Analysis.....	7.78	2.26	4.17	23.38
25582	Analysis.....	7.59	2.13	3.34	21.59
	Swift's Superphosphate Cottonseed Meal Compound—				
	Guarantee.....	9.50	1.65	1.50	19.80
25381	Analysis.....	.....	.....	.....	.....
	Swift's Superphosphate (Potash Ammoniated)—Guarantee.....	8.00	1.65	2.00	18.60
25377	Analysis.....	7.26	1.68	2.48	18.41
25381	Analysis.....	6.55	1.71	2.07	17.30
25583	Analysis.....	6.16	1.67	2.06	16.54
25738	Analysis.....	8.33	1.76	1.79	19.19
25795	Analysis.....	6.63	1.77	2.18	17.66
	Swift's Tankage Formula—Guarantee.....	* 6.87	7.41	.....	33.65
25156	Analysis.....	* 8.90	6.33	.....	31.17
25157	Analysis.....	* 9.43	5.90	.....	29.96
25178	Analysis.....	* 7.32	.1	.....	33.14
25181	Analysis.....	* 10.43	7.11	.....	35.36
25379	Analysis.....	* 11.41	6.42	.....	33.53
25523	Analysis.....	* 10.68	7.17	.....	35.79

\*Total.

Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
25883	Texas Fertilizer Co., Marshall, Texas— Cotton and Corn Special—Guarantee.....	10.00 10.33	1.65 1.76	1.00 1.67	\$19.80 21.44
	Analysis.....				
	Virginia Carolina Chemical Co., Shreveport, La.— B. B. B. Beef, Blood and Bone—Guarantee.....	10.00	1.65	1.00	19.80
25491	Analysis.....	10.42	1.69	1.35	20.88
25529	Analysis.....	10.30	1.58	1.79	20.83
	Eureka Complete Fertilizer—Guarantee.....	10.00	1.65	4.00	23.40
25428	Analysis.....	9.11	1.26	4.48	21.35
25913	Analysis.....	10.61	1.91	2.21	23.02
	Georgia State Grange—Guarantee.....	10.00	1.65	1.00	19.80
25175	Analysis.....	10.76	1.68	1.42	21.33
25226	Analysis.....	10.93	1.54	1.11	20.61
25341	Analysis.....	10.52	1.60	1.22	20.48
25382	Analysis.....	10.54	1.57	.99	20.12
25383	Analysis.....	10.64	1.67	1.38	21.11
25384	Analysis.....	10.85	1.76	1.20	21.50
25494	Analysis.....	9.68	1.71	1.34	20.07
25515	Analysis.....	10.84	1.49	1.41	20.66
25530	Analysis.....	9.81	1.71	1.83	20.81
25595	Analysis.....	10.65	1.55	1.40	20.66
25618	Analysis.....	9.93	1.68	1.23	20.12
25760	Analysis.....	11.15	1.66	1.05	21.28
25779	Analysis.....	11.35	1.69	1.02	21.60
25780	Analysis.....	11.62	1.66	1.19	22.01
25873	Analysis.....	10.61	1.70	1.17	20.93
25894	Analysis.....	10.77	1.73	1.67	21.84
	German Kainit—Guarantee.....			12.00	14.40
25732	Analysis.....			12.09	14.51
	Mobile Double Eagle Guano—Guarantee.....	10.00	1.65	1.50	20.40
25357	Analysis.....	10.57	1.50	1.61	20.61
25439	Analysis.....	9.08	1.66	2.05	20.00
25604	Analysis.....	11.08	1.52	1.40	21.00
25664	Analysis.....	11.16	1.62	1.57	21.75
25735	Analysis.....	10.78	1.75	2.02	22.36
25846	Analysis.....	10.53	1.57	1.50	20.72
	Mobile Raw Bone Ammoniated Superphosphate—Guarantee.....	10.00	1.65	1.50	20.40
25562	Analysis.....	11.35	1.35	1.65	21.01
	Muriate of Potash—Guarantee.....			48.00	57.60
25295	Analysis.....			49.97	59.96
	Royal Blood, Bone and Potash—Guarantee.....	10.00	1.65	1.50	20.40
25914	Analysis.....	9.80	1.27	2.00	19.31
25496	Analysis.....	9.41	1.68	2.56	21.11
	Royal Cotton Boll Guano—Guarantee.....	8.00	1.65	2.00	18.60
25736	Analysis.....	8.65	1.76	1.58	19.32
	Royal Fruit Grower—Guarantee.....	8.00	2.47	5.00	25.48
25662	Analysis.....	8.81	2.50	4.62	26.11
	Royal High Grade Guano—Guarantee.....	10.00	1.65	2.00	21.00
25470	Analysis.....	9.83	1.78	2.08	21.42
25761	Analysis.....	10.33	1.66	2.89	22.51
	Royal Vegetable Fertilizer—Guarantee.....	8.00	2.47	4.00	23.28
25174	Analysis.....	9.40	2.25	3.41	24.37
25227	Analysis.....	8.78	1.70	4.67	22.93
25481	Analysis.....	9.01	2.06	2.99	22.64
25567	Analysis.....	8.77	2.15	2.62	22.26
	Scott's Gossypium Phospho—Guarantee.....	10.00	1.65	1.50	20.40
25294	Analysis.....	10.66	1.89	1.74	22.44
25446	Analysis.....	10.54	1.70	1.70	21.49
25472	Analysis.....	10.40	1.55	2.19	21.31
25473	Analysis.....	10.14	1.70	1.58	20.87
25514	Analysis.....	10.65	1.66	1.70	21.46
25619	Analysis.....	9.92	2.39	1.66	23.45
25663	Analysis.....	11.46	1.70	1.54	22.40
25762	Analysis.....	10.85	1.76	1.57	21.87
25827	Analysis.....	10.69	1.65	1.93	21.75
25874	Analysis.....	11.10	1.72	1.66	22.19
25893	Analysis.....	10.98	1.98	2.08	23.60
	Scott's Gossypium Phospho Special—Guarantee.....	10.00	1.65	2.00	21.00
25441	Analysis.....	10.35	1.62	2.70	22.14
25492	Analysis.....	10.55	1.58	2.00	21.38
25513	Analysis.....	10.53	1.67	1.80	21.48
25589	Analysis.....	10.83	1.67	1.13	21.04



Table I.—Analyses of Commercial Fertilizers, Season of 1913-1914.

Laboratory Number.	Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Virginia-Carolina Chemical Co., Shreveport, La.—Cont.</b>					
<b>Scott's Gossypium Phospho Special—Continued.</b>					
25660	Analysis.....	10.00	1.88	1.99	\$21.91
25817	Analysis.....	10.99	1.67	1.77	21.99
25912	Analysis.....	10.49	1.76	1.81	21.80
<b>Scott's High Grade Acid Phosphate—Guarantee.</b>					
25225	Analysis.....	14.00			16.80
25620	Analysis.....	16.53			19.84
25701	Analysis.....	17.95			21.54
<b>Scott's Potato Phospho—Guarantee.</b>					
25816	Analysis.....	17.33			20.80
<b>Scott's State Standard Guano—Guarantee.</b>					
25385	Analysis.....	12.00		2.00	16.80
25443	Analysis.....	14.09		1.70	18.95
25734	Analysis.....	8.00	1.65	2.00	19.60
<b>V. C. C. Fruit and Truck Special—Guarantee.</b>					
25444	Analysis.....	9.15	1.85	1.65	20.36
25440	Analysis.....	8.77	1.74	2.00	19.88
25725	Analysis.....	8.93	1.44	2.34	19.29
<b>V. C. C. Co's Truck Grower—Guarantee.</b>					
25173	Analysis.....	6.00	3.30	8.00	31.00
25248	Analysis.....	6.20	3.05	5.61	26.37
25429	Analysis.....	8.00	2.06	6.00	25.04
25442	Analysis.....	8.88	2.48	4.86	26.41
25471	Analysis.....	8.52	1.98	4.34	23.35
<b>V. C. C. Co's 16 Per Cent Acid Phosphate—Guarantee.</b>					
25568	Analysis.....	16.00			19.20
25661	Analysis.....	17.14			20.57
25665	Analysis.....	17.23			20.68
25733	Analysis.....	16.08			19.30
25803	Analysis.....	17.17			20.60
25804	Analysis.....	18.21			21.85
25847	Analysis.....	17.05			20.46
25911	Analysis.....	18.55			22.26
<b>V. C. Tomato Special—Guarantee.</b>					
25445	Analysis.....	16.98			20.38
<b>V. C. XXX Special—Guarantee.</b>					
25249	Analysis.....	17.85			21.42
25358	Analysis.....	17.69			21.23
25493	Analysis.....	16.37			19.64
<b>V. C. Superphosphate—Guarantee.</b>					
25561	Analysis.....	17.52			21.02
<b>The Wills Point Cotton Oil Co., Wills Point, Texas—</b>					
<b>Fertilizer Cottonseed Meal—Guarantee.</b>					
25415	Analysis.....	17.11			20.53
<b>Semper-Fidelis Acid Phosphate—Guarantee.</b>					
25417	Analysis.....	10.00	2.47	1.50	23.68
<b>Semper-Fidelis Corn and Cotton Grower—Guarantee.</b>					
25414	Analysis.....	10.09	1.86	1.66	21.54
<b>Semper-Fidelis Phospho Meal—Guarantee.</b>					
25416	Analysis.....	8.00	2.47	1.00	20.68
<b>Geo. A. Wright, Palestine, Texas—</b>					
<b>Wright's Cotton Fertilizer—Guarantee.</b>					
25611	Analysis.....	10.33	2.11	1.36	22.47
<b>Wright's Corn Fertilizer—Guarantee.</b>					
25622	Analysis.....	8.53	2.12	1.30	20.27
<b>Analysis.....</b>					
		7.99	2.00	1.37	19.23
		16.00			19.20
		17.28			20.74
		1.00	7.00	1.00	30.40
		2.29	7.26	1.58	33.69
		16.00			19.20
		16.83			20.20
		9.00	2.00	2.00	21.20
		9.42	2.56	2.40	24.42
		8.50	3.50	1.00	25.40
		9.86	3.64	1.10	27.71
		8.00	2.00	2.00	20.00
		7.70	2.05	3.62	21.78
		8.00	3.50	2.00	26.00
		7.48	4.05	3.33	29.18

Table II.—Registration of Commercial Fertilizers, Season of 1913-1914.

Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Arkansas Fertilizer Co., Little Rock, Ark.—</b>				
White Diamond Corn Grower.....	8.00	1.65	3.00	\$19.80
White Diamond Early Boll Fertilizer.....	9.00	1.65	2.00	19.80
White Diamond East Texas High Grade Trucker.....	10.00	2.47	1.00	23.08
White Diamond Farmer's Choice.....	10.00	2.00	3.00	23.60
White Diamond Gro-Fast Fertilizer.....	8.00	1.65	2.00	18.60
White Diamond High Grade Acid Phosphate.....	14.00	.....	.....	16.80
White Diamond High Grade Blood, Bone and Potash.....	12.00	2.00	1.50	24.20
White Diamond High Grade Corn Fertilizer.....	9.50	2.00	3.50	23.60
White Diamond High Grade Corn and Wheat Fertilizer.....	10.00	1.70	4.00	23.60
White Diamond High Grade Cotton Fertilizer.....	10.00	2.00	3.00	23.60
White Diamond High Grade Early Potato and Truck Fertilizer.....	8.00	2.50	4.00	24.40
White Diamond High Grade Kali Superphosphate.....	11.00	.....	3.00	16.80
White Diamond High Grade Nitrated Superphosphate.....	8.00	2.50	4.00	24.40
White Diamond High Grade Orchard Fertilizer.....	8.00	1.65	7.00	24.60
White Diamond High Grade Parliers Fertilizer.....	10.00	3.30	4.00	30.00
White Diamond High Grade Phospho Kainit Mixture.....	11.50	.....	4.00	18.60
White Diamond High Grade Potash Special.....	9.00	2.00	5.00	24.80
White Diamond High Grade Southern Queen.....	10.00	1.65	2.00	21.00
White Diamond Kamit.....	.....	.....	12.00	14.40
White Diamond Meal Base Fertilizer.....	9.00	1.65	2.00	19.80
White Diamond Muriate of Potash.....	.....	.....	50.00	60.00
White Diamond Nitrate of Soda.....	.....	15.60	.....	62.50
White Diamond Special High Grade Acid Phosphate.....	16.00	.....	.....	19.20
White Diamond Standard Grade Ammoniated Bone Superphosphate.....	9.00	1.65	2.00	19.80
White Diamond Standard Grade Peanut Fertilizer.....	9.10	1.00	4.00	19.70
White Diamond Standard Grade Prize Winner.....	8.50	1.65	2.50	19.80
White Diamond Standard Grade Texas Special.....	10.00	1.65	1.00	19.80
White Diamond Standard Grade Vegetable Fertilizer.....	7.50	2.00	3.00	20.60
White Diamond Soluble Bone and Blood.....	8.00	1.65	2.00	18.60
White Diamond Southern Standard Fertilizer.....	10.00	1.65	1.50	20.40
White Diamond Sulphate of Potash.....	.....	.....	48.00	57.60
White Diamond Twentieth Century Fertilizer.....	9.00	1.65	2.00	19.80
White Diamond Young's High Grade Special.....	7.00	2.50	5.00	24.40
<b>Geo. Armistead, Houston, Texas—</b>				
Acid Phosphate.....	16.00	.....	.....	19.20
Kainit.....	.....	.....	12.00	14.40
Muriate of Potash.....	.....	.....	48.00	57.60
Nitrate of Soda.....	.....	15.00	.....	60.00
Sulphate of Potash.....	.....	.....	47.00	56.40
<b>Armour's Fertilizer Works, New Orleans, La., and Fort Worth, Texas—</b>				
Armour's African Cotton Grower.....	9.00	2.47	3.00	24.28
Armour's Bone Meal.....	*22.00	2.00	.....	25.20
Armour's Corn Brand.....	8.00	2.47	2.00	21.88
Armour's Cottonseed Meal Special.....	10.00	1.65	1.50	20.40
Armour's Cotton Special.....	10.00	1.65	1.50	20.40
Armour's Cottonseed Mixed Fertilizer.....	.....	6.17	.....	24.68
Armour's 14 Per Cent Shield Phosphate.....	14.00	.....	.....	16.80
Armour's King Cotton.....	8.00	1.65	2.00	18.60
Armour's Kainit.....	.....	.....	12.00	14.40
Armour's Muriate of Potash.....	.....	.....	50.00	60.00
Armour's Onion Fertilizer No. 1.....	8.00	3.29	8.00	32.36
Armour's Onion Fertilizer No. 2.....	8.00	2.47	4.00	24.28
Armour's Onion Fertilizer No. 3.....	8.00	3.29	6.00	29.96
Armour's Onion Fertilizer No. 4.....	3.00	4.11	5.00	26.04
Armour's Onion Fertilizer No. 5.....	3.00	4.94	3.00	26.96
Armour's Onion Fertilizer No. 6.....	4.00	4.94	7.00	32.96
Armour's Onion Fertilizer No. 7.....	6.00	3.29	3.00	23.96
Armour's Onion Fertilizer No. 8.....	6.00	3.29	6.00	27.56
Armour's Onion Fertilizer No. 9.....	10.00	2.47	6.00	29.08
Armour's Onion Fertilizer No. 10.....	3.00	4.94	5.00	29.36
Armour's Onion Fertilizer No. 11.....	5.00	4.11	3.00	26.04
Armour's Onion Fertilizer No. 12.....	6.00	3.29	4.00	25.16
Armour's Onion Fertilizer No. 13.....	1.00	4.94	1.00	22.16
Armour's Orange Grower No. 1.....	7.00	2.47	5.00	24.28
Armour's Orange Grower No. 2.....	8.00	1.65	2.00	18.60
Armour's Phosphate and Potash No. 1204.....	12.00	.....	4.00	19.20
Armour's Phosphate and Potash No. 102.....	10.00	.....	2.00	14.40
Armour's Phosphate and Potash No. 104.....	10.00	.....	4.00	16.80

\*Total Phosphoric Acid.

Table II.—Registration of Commercial Fertilizers, Season of 1913-1914.

Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Armour Fertilizer Works, New Orleans, La., and Fort Worth, Texas—Continued</b>				
Armour's Phosphate and Potash No. 1208.....	12.00	.....	8.00	\$24.00
Armour's Potato Grower.....	10.00	2.47	6.00	29.08
Armour's Raw Bone Meal.....	*22.00	3.70	.....	31.66
Armour's Raw Bone Superphosphate with Potash.....	9.50	1.65	1.50	19.80
Armour's Rice Fertilizer No. 822.....	8.00	1.65	2.00	18.60
Armour's Rice Grower.....	12.00	.....	2.00	16.80
Armour's Special Blood and Bone Mixture.....	9.50	1.65	1.50	19.80
Armour's Special Texas Formula.....	10.00	1.65	2.00	21.00
Armour's 16 Per Cent Star Phosphate.....	16.00	.....	.....	19.20
Armour's Sulphate of Potash.....	.....	.....	48.00	57.60
Armour's Strawberry Grower.....	6.00	1.65	5.00	19.80
Armour's Sandy High Land Special.....	10.00	1.65	1.50	20.40
Armour's Special Cabbage Grower.....	8.00	1.65	3.00	19.80
Armour's Truck Special No. 2.....	8.00	1.65	3.00	19.80
Armour's Truck Special.....	7.00	4.11	6.00	32.04
Armour's Vegetable Grower.....	9.00	2.05	3.00	22.60
Nitrate of Soda.....	.....	14.81	.....	59.24
<b>Geo. L. Barber, Jacksonville, Texas—</b>				
Barber's 16 Per Cent Phosphate.....	16.00	.....	.....	19.20
<b>The Bowie County Cotton Oil Co., New Boston, Texas—</b>				
Bowie Acid Phosphate 16 Per Cent.....	16.00	.....	.....	19.20
Bowie Cottonseed Meal.....	2.25	7.25	1.25	33.20
Bowie Kainit.....	.....	.....	12.00	14.40
<b>Bryan Cotton Oil and Fertilizer Co., Bryan, Texas—</b>				
Star Brand Acid Phosphate.....	14.00	.....	.....	16.80
Star Brand Cotton and Corn Fertilizer.....	11.50	1.80	.....	21.00
Star Brand Cotton Fertilizer.....	10.00	1.80	2.00	21.60
Star Brand Kainit.....	.....	.....	12.00	14.40
Star Brand Phosphate Special Fertilizer.....	10.00	2.00	.....	20.00
Star Brand Potato Special.....	8.00	3.50	.....	23.60
<b>W. T. Carter &amp; Bro., Camden, Texas—</b>				
Carter 16 Per Cent Acid Phosphate.....	16.00	.....	.....	19.20
<b>Carthage Fertilizer Co., Carthage, Texas—</b>				
Carthage Corn Special.....	9.00	2.00	1.75	20.90
Carthage Corn and Cotton Grower.....	10.00	1.65	1.00	19.80
Carthage Cotton Grower.....	10.00	1.65	1.00	19.80
Carthage Phosphate and Potash.....	12.00	.....	4.00	16.80
High Grade Acid Phosphate.....	16.00	.....	.....	19.20
<b>The Clarksville Cotton Oil Co., Clarksville, Texas—</b>				
Acid Phosphate.....	16.00	.....	.....	19.20
Cottonseed Meal.....	2.50	7.00	1.50	32.80
Kainit.....	.....	.....	12.00	14.40
<b>Dallas Fertilizer and Reduction Co., Dallas, Texas—</b>				
Beaver Cotton Grower.....	8.00	1.65	2.00	18.60
Beaver Cotton and Corn Grower.....	10.00	1.65	2.00	21.00
Beaver Phosphate and Potash.....	10.00	.....	4.00	16.80
Beaver Phosphate and Potash.....	10.00	.....	2.00	14.40
Beaver Potato Grower.....	10.00	2.47	6.00	29.08
Beaver Strawberry Grower.....	8.00	1.65	5.00	22.20
Beaver Trucker.....	8.00	1.65	3.00	19.80
Beaver Truck Grower.....	8.00	2.47	3.00	23.08
Beaver Vegetable Grower.....	9.00	2.47	3.00	24.28
<b>East Texas Fertilizer Co., Tyler, Texas—</b>				
Bull Corn and Cotton.....	10.00	2.00	1.00	21.20
East Texas Crop Grower.....	8.00	3.00	3.00	25.20
East Texas Corn and Cotton Grower.....	8.00	2.00	2.00	20.00
14 Per Cent Acid Phosphate.....	14.00	.....	.....	16.80
Kainit.....	.....	.....	12.00	14.40
Muriate of Potash.....	.....	.....	48.00	57.60
16 Per Cent Acid Phosphate.....	16.00	.....	.....	19.20
Wiley's Corn and Cotton.....	10.00	2.00	2.00	22.40
Wiley's Tomato Special.....	9.00	2.80	.....	22.00

\*Total Phosphoric Acid.

Table II.—Registration of Commercial Fertilizers, Season of 1913-1914.

Manufacturer, Place of Business and Brand.	Phosphoric Acid— Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Farmers and Ginners Cotton Oil Co., Sulphur Springs, Texas—</b>				
Acid Phosphate.....	14.00			\$16.80
Cottonseed Meal.....	2.00	7.00	1.80	32.56
<b>Farmers Oil and Fertilizer Co., Texarkana, Texas—</b>				
Farmer's Acid Phosphate.....	14.00			16.80
Farmer's Corn Fertilizer.....	8.00	1.65	3.00	19.80
Farmer's Cotton Fertilizer.....	9.00	1.65	2.00	19.80
Farmer's Cottonseed Meal.....	1.50	7.00	1.60	31.72
Farmer's Fruit Maker.....	10.00		4.00	16.80
Farmer's German Kainit.....			12.00	14.40
Farmer's High Grade Acid Phosphate.....	16.00			19.20
Farmer's Low Grade Cotton Fruiter.....	10.00	.83	1.00	16.52
Farmer's Low Grade Potato Fertilizer.....	10.00	.83	2.00	17.72
Farmer's Muriate of Potash.....			48.00	57.60
Farmer's Nitrate of Soda.....		15.00		60.00
Farmer's Peanut Fertilizer.....	10.00	.83	5.00	21.32
Farmer's Truck Fertilizer.....	8.00	2.47	4.00	24.28
<b>Federal Chemical Co., Columbia, Tenn.—</b>				
Tennessee Brown Phosphate Rock.....	*29.75			8.93
<b>Fidelity Chemical Corporation, Houston, Texas.</b>				
Fidelity Ammoniated Rice Fertilizer.....	12.00	1.65	2.00	23.40
Fidelity Ammoniated Superphosphate with Potash.....	10.00	1.65	1.00	19.80
Fidelity Bone Meal Fertilizer.....	*27.00	1.00		25.40
Fidelity Cereal Cultivator Fertilizer.....	6.50	2.47	1.00	18.88
Fidelity Citrus Grower Fertilizer.....	7.00	2.88	8.00	29.52
Fidelity Cotton Standard Fertilizer.....	8.00	2.06	1.50	19.66
Fidelity Cotton Special Fertilizer.....	10.00	1.65	2.00	21.00
Fidelity Cotton Special No. 2 Fertilizer.....	10.00	1.65	1.50	20.40
Fidelity 14 Per Cent Acid Phosphate.....	14.00			16.80
Fidelity Kainit.....			12.00	14.40
Fidelity Laredo Special.....	5.00	3.87	8.00	31.08
Fidelity Lone Star Special.....	10.00	1.65	6.00	25.80
Fidelity Muriate of Potash.....			50.00	60.00
Fidelity Nitrate of Soda.....		15.00		60.00
Fidelity Orange Special Fertilizer.....	7.00	2.88	5.00	25.92
Fidelity Potato Special Fertilizer.....	7.00	2.06	3.00	20.24
Fidelity Peerless Trucker Fertilizer.....	8.00	2.47	5.00	25.48
Fidelity Regal Compound Fertilizer.....	10.00		4.00	16.80
Fidelity Rice Planter Fertilizer.....	12.00		2.00	16.80
Fidelity 16 Per Cent Acid Phosphate.....	16.00			19.20
Fidelity Sulphate of Ammonia.....		20.50		82.00
Fidelity Sulphate of Potash.....			48.00	57.60
Fidelity Strawberry Special Fertilizer.....	6.00	2.47	5.00	23.08
Fidelity Truck Grower.....	8.00	2.47	8.00	29.08
<b>Gate City Fertilizer Co., Texarkana, Ark., Texas—</b>				
Red Ball Complete Fertilizer.....	10.00	1.65	1.00	19.80
Red Ball Cotton and Corn Fertilizer.....	10.00	2.00	3.00	23.60
Red Ball Cotton Grower.....	9.00	1.65	2.00	19.80
Red Ball Early Trucker.....	8.00	2.50	4.00	24.40
Red Ball Four States Standard.....	8.50	1.65	2.50	19.80
Red Ball High Grade Acid Phosphate.....	14.00			16.80
Red Ball High Grade Special Acid Phosphate.....	16.00			19.20
Red Ball Kainit.....			12.00	14.40
Red Ball Muriate of Potash.....			50.00	60.00
Red Ball Nitrate of Soda.....		15.60		62.40
Red Ball Old Reliable Fertilizer.....	8.00	1.65	2.00	18.60
Red Ball Old Time Vegetable Grower.....	7.50	2.00	3.00	20.60
Red Ball Phosphate and Potash.....	11.00		3.00	16.80
Red Ball Potash Acid.....	11.50		4.00	18.60
Red Ball Soluble Bone Fertilizer.....	8.00	1.65	2.00	18.60
Red Ball Southern Corn Grower.....	8.00	1.65	3.00	19.80
Red Ball Sulphate of Potash.....			48.00	57.60
Red Ball Spanish Peanut Fertilizer.....	9.10	1.00	4.00	19.72
<b>German Kali Works, New York, N. Y.; New Orleans, La.—</b>				
Kainit.....			12.00	14.40
Muriate of Potash.....			48.00	57.60

\*Total Phosphoric Acid.



Table II.—Registration of Commercial Fertilizers, Season of 1913-1914.

Manufacturer, Place of Business and Brand.	Phosphoric Acid Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Henderson Cotton Oil and Gin Co., Henderson, Texas—</b>				
Henderson Corn Maker.....	8.00	3.00	2.00	\$24.00
Henderson Cotton Maker.....	8.00	3.00	2.00	24.00
Henderson Cotton Maker.....	9.00	2.00	2.00	21.20
Henderson Half and Half.....	7.00	4.00	.....	24.40
Henderson Staple.....	10.00	1.65	1.00	19.80
16 Per Cent Acid Phosphate.....	16.00	.....	.....	19.20
<b>Hillje Bros., Weimar, Texas—</b>				
Cottonseed Meal.....	2.00	6.90	1.50	31.80
Weimar Cotton Producer.....	10.25	2.75	.....	23.30
Acid Phosphate.....	14.00	.....	.....	16.80
<b>Hope Fertilizer Co., Hope, Ark.—</b>				
Blue Ribbon.....	7.50	3.30	2.00	24.60
Dixie Belle.....	10.00	1.25	1.00	18.20
Hope Standard.....	10.00	1.65	1.00	19.80
Our Corn Grower.....	9.00	1.65	3.00	21.00
Our Cotton Grower.....	9.00	1.65	2.00	19.80
Our Early Fruiter.....	10.00	.....	4.00	16.80
Our Extra Cotton Grower.....	10.00	1.65	2.00	21.00
Our Potato Grower.....	7.00	2.00	10.00	27.00
Our Strawberry Grower.....	8.00	3.00	5.00	27.60
Our Truck Grower.....	10.00	3.30	3.00	28.80
Pride of Dallas.....	10.00	3.30	4.00	30.00
Stork Brand Cottonseed Meal Fertilizer.....	.....	6.60	.....	26.40
Stork Brand 16 Per Cent Acid Phosphate.....	16.00	.....	.....	19.20
<b>Hopkins County Fertilizer Co., Sulphur Springs, Texas—</b>				
Hopkins County Corn and Cotton.....	8.00	2.00	2.00	20.00
Hopkins County Crop Grower.....	8.00	3.00	3.00	25.20
Hopkins County Tomato Special.....	9.00	2.75	.....	21.80
16 Per Cent Acid Phosphate.....	16.00	.....	.....	19.20
<b>Houston County Oil Mill and Mfg. Co., Crockett, Texas—</b>				
Crockett Compound.....	8.00	3.25	1.25	24.10
Crockett Cotton Standard.....	10.25	2.00	2.00	22.70
Crockett Cereal Standard.....	8.25	2.25	2.25	21.58
Crockett Fertilizer Cottonseed Meal and Hulls.....	1.06	6.40	1.66	28.86
Crockett 14 Per Cent Acid Phosphate.....	14.00	.....	.....	16.80
Crockett Grower.....	5.00	4.25	2.50	26.00
Crockett Imperial Fruiter.....	10.10	1.10	2.10	19.04
Crockett Kainit.....	.....	.....	12.00	14.40
Crockett Muriate of Potash.....	.....	.....	50.00	60.00
Crockett Onion Grower.....	5.50	5.75	5.30	35.96
Crockett Phosphate Special.....	11.00	1.50	1.00	20.40
Crockett Planter's Triumph.....	9.00	2.00	2.25	21.50
Crockett Poor Land Special.....	10.00	3.00	3.25	27.90
Crockett Rice Special.....	12.00	.....	2.00	16.80
Crockett Special Mixture.....	10.60	1.76	1.10	21.08
Crockett Sixteen Per Cent Acid Phosphate.....	16.00	.....	.....	19.20
Crockett Sulphate of Potash.....	.....	.....	48.00	57.60
Crockett Vegetable Producer.....	7.50	3.00	5.50	27.60
<b>Houston Packing Co., Houston, Texas—</b>				
Acid Phosphate.....	14.00	.....	.....	16.80
Blood and Bone.....	*14.50	5.60	.....	32.88
Kainit.....	.....	.....	12.00	14.40
Muriate of Potash.....	.....	.....	48.00	57.60
Nitrate of Soda.....	.....	15.00	.....	60.00
Special Vegetable Grower.....	7.00	2.00	4.00	21.20
Special Corn and Cotton Grower.....	10.00	1.65	2.00	21.00
Sulphate of Potash.....	.....	.....	48.00	57.60
<b>Huntsville Cotton Oil Co., Huntsville, Texas—</b>				
Acid Phosphate.....	16.00	.....	.....	19.20
Huntsville High Grade.....	7.40	3.00	3.00	24.48
Huntsville Vegetable Compound.....	6.00	4.00	4.00	28.00
Off Cottonseed Meal Fertilizer.....	.....	7.00	.....	28.00
Phosphate and Meal.....	7.00	3.50	.....	22.40
<b>Industrial Cotton Oil Co., Houston, Texas—</b>				
Industrial Acid Phosphate Longhorn Brand.....	18.00	.....	.....	21.60
Industrial Corn Grower Fertilizer Longhorn Brand.....	10.00	1.65	2.00	21.00
Industrial Corn Special Fertilizer.....	8.00	1.65	2.00	18.60

Table II.—Registration of Commercial Fertilizers, Season of 1913-1914.

Manufacturer, Place of Business and Brand.	Phosphoric Acid— Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Industrial Cotton Oil Co., Houston, Texas—Continued.</b>				
Industrial Cotton Grower Fertilizer Longhorn Brand.....	10.00	1.65	2.00	\$21.00
Industrial 14 Per Cent Acid Phosphate Longhorn Brand.....	14.00	.....	.....	16.80
Industrial Rice Grower Fertilizer Longhorn Brand.....	12.00	.....	2.00	16.80
Industrial 16 Per Cent Acid Phosphate Longhorn Brand.....	16.00	.....	.....	19.20
Industrial Special Fertilizer.....	10.00	1.65	1.00	19.80
Industrial Vegetable Grower Fertilizer Longhorn Brand.....	7.00	2.00	4.00	21.20
<b>Jackson Fertilizer Co., Jackson, Miss.—</b>				
Big Horn Blood and Bone.....	10.00	1.65	1.50	20.40
High Grade Red Band 16 Per Cent Acid Phosphate.....	16.00	.....	.....	19.20
Royal C Brand.....	10.00	1.65	1.50	20.40
<b>Jacksonville Cotton Oil Co., Jacksonville, Texas—</b>				
Cottonseed Meal and Hulls.....	1.06	6.40	1.66	28.86
Cottonseed Meal with Hulls Fertilizer.....	1.06	6.00	1.66	27.26
Ground Heated Cottonseed.....	.62	3.81	1.08	23.94
<b>Jefferson Cotton Oil and Fertilizer Co., Jefferson, Texas—</b>				
Cottonseed Fertilizer.....	2.00	6.00	1.50	28.00
Cottonseed Fertilizer Meal.....	2.00	6.88	1.50	31.72
<b>Lavaca Oil Co., Hallettsville, Texas—</b>				
Cottonseed Meal.....	2.00	6.90	1.50	31.80
<b>Longview Cotton Oil Co., Longview, Texas—</b>				
Cottonseed Fertilizer.....	2.00	6.05	1.50	28.40
Longview Acid Phosphate.....	16.00	.....	.....	19.20
Longview Cotton Special.....	9.00	2.00	2.00	21.20
Longview Corn Special.....	8.00	3.00	2.00	24.00
<b>Magnolia Cotton Oil Co., Houston, Texas—</b>				
Cotton Seed Fertilizer.....	2.00	6.00	1.00	27.60
<b>Robert P. Marbach, Bracken, Comal County, Texas—</b>				
Bat Guano.....	4.40	8.80	.....	40.48
Compost of Bat Guano.....	3.89	4.53	1.00	23.99
<b>Marshall Fertilizer, Marshall, Texas—</b>				
Cottonseed Meal.....	1.00	6.88	1.00	29.92
High Grade Acid Phosphate.....	16.00	.....	.....	19.20
High Grade Big Bull Prolific.....	10.00	1.65	2.00	21.00
High Grade Vegetable Grower.....	7.00	2.47	4.00	23.08
Kainit.....	.....	.....	12.00	14.40
Marshall Blood and Bone.....	10.00	1.65	1.00	19.80
Marshall Cotton and Corn Special.....	10.00	1.65	1.00	19.80
Muriate of Potash.....	.....	.....	50.00	60.00
Nitrate of Soda.....	.....	15.25	.....	61.00
Red Diamond Acid Phosphate.....	14.00	.....	.....	16.80
Standard Cotton and Corn Grower.....	10.00	1.65	1.00	19.80
Standard Cotton and Corn Special.....	9.00	1.65	1.00	18.60
Standard Red Diamond Corn and Cotton Grower.....	10.00	1.65	1.50	20.40
Tomato Special.....	6.00	2.47	4.00	23.08
Turner's Racket.....	10.00	1.65	1.00	19.80
<b>Merchants and Planters Oil Co., Houston, Texas—</b>				
Cottonseed Meal.....	2.00	6.88	1.06	31.14
<b>Meridian Fertilizer Factory, Shreveport, La.—</b>				
Caddo Cotton.....	9.25	1.88	1.00	19.82
Caddo Special.....	6.00	2.47	7.00	25.48
Caddo Vegetable.....	8.00	3.30	4.00	27.60
Corn Grower.....	7.50	2.88	1.00	21.72
Cottonseed Meal Fertilizer.....	.....	6.58	.....	26.32
Meridian Ammoniated Rice Grower.....	10.00	1.65	2.00	21.00
Meridian Bone and Potash.....	12.00	.....	2.00	16.80
Meridian Blood and Bone.....	10.00	1.65	1.00	19.80
Meridian Cane Special No. 1.....	4.00	5.35	.....	26.20
Meridian Corn Club Special.....	7.50	2.47	1.00	20.08
Meridian Cotton and Corn Special.....	9.00	2.47	3.00	24.28
Meridian English Acid Phosphate.....	12.00	.....	.....	14.40
Meridian Farmer's Friend.....	10.00	1.50	1.50	19.80
Meridian German Kainit.....	.....	.....	12.00	14.40
Meridian Golden Harvester.....	10.00	3.30	4.00	30.00

Table II.—Registration of Commercial Fertilizers, Season of 1913-1914.

Manufacturer, Place of Business and Brand.	Phosphoric Acid— Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Meridian Fertilizer Factory—Continued.</b>				
Meridian Ham Bone Guano.....	10.00	1.65	1.50	\$20.40
Meridian High Grade Top Dresser.....	4.00	5.00	4.00	29.60
Meridian Home Mixture.....	10.00	1.65	1.00	19.80
Meridian Meal Mixture.....	10.00	1.65	1.00	19.80
Meridian Nitrated Bone and Potash.....	10.00	1.65	2.00	21.00
Meridian Perfection Acid Phosphate.....	17.00	.....	.....	20.40
Meridian Perfection Blood Compound.....	10.00	2.47	3.00	25.48
Meridian Perfection Meal Compound.....	10.00	2.47	3.00	25.48
Meridian Perfection Potash Formula.....	12.00	.....	4.00	19.20
Meridian Potash Compound.....	10.00	.....	4.00	16.80
Meridian Potato Special.....	8.00	3.30	2.00	25.20
Meridian Rice Grower.....	10.00	.....	2.00	14.40
Meridian Soluble Guano.....	10.00	1.65	1.50	20.40
Meridian Southern Acid Phosphate.....	14.00	.....	.....	16.80
Meridian Standard Cotton and Corn.....	8.00	2.00	2.00	20.00
Meridian Strawberry Special.....	10.00	1.65	5.00	24.60
Meridian Trucker Special.....	9.00	1.65	2.00	19.80
Meridian Tomato Special.....	10.00	2.47	1.00	23.08
Meridian Vegetable Grower.....	8.00	2.47	5.00	25.48
Muriate of Potash.....	.....	.....	50.00	60.00
Nitrate of Soda.....	.....	15.00	.....	60.00
Star.....	10.00	1.65	1.00	19.80
Sulphate of Potash.....	.....	.....	48.50	58.20
Texas Special.....	10.00	2.72	.....	22.88
Union Special Acid Phosphate.....	16.00	.....	.....	19.20
Weevil Beater Guano.....	10.00	1.65	1.00	19.80
<b>Nacogdoches Oil Mill, Nacogdoches, Texas—</b>				
Carisco Corn Grower.....	7.00	3.29	1.00	22.76
Loco Cotton Grower.....	10.00	1.65	1.00	19.80
Nacogdoches 16 Per Cent Acid Phosphate.....	16.00	.....	.....	19.20
Nacogdoches 12 Per Cent German Kainit.....	.....	.....	12.00	14.40
Sulphate of Potash.....	.....	.....	48.00	57.60
Tusco Cotton Phospho.....	10.00	1.65	2.00	21.00
<b>New Orleans Acid and Fertilizer Co., New Orleans, La.—</b>				
American Truckers Special.....	10.00	1.65	5.00	24.60
Ammoniate Raw Bone Superphosphate and Potash.....	10.00	1.65	1.00	19.80
Blood, Bone and Potash.....	10.00	1.65	1.00	19.80
Black Diamond Acid Phosphate.....	12.00	.....	.....	14.40
Bull Dog Acid Phosphate.....	16.00	.....	.....	19.20
Blood, Bone and Beef.....	10.00	1.65	1.00	19.80
Corn Grower.....	8.00	2.47	1.50	21.28
Crescent City Acid Phosphate.....	12.00	.....	.....	14.40
Dissolved Bone and Potash, 12-2.....	12.00	.....	2.00	16.80
Dissolved Bone and Potash, 10-4.....	10.00	.....	4.00	16.80
El Salvador Sugar Cane Grower No. 675.....	7.00	5.00	5.00	34.40
Economizer.....	10.00	1.65	2.00	21.00
Excelsior.....	10.00	1.65	2.00	21.00
Farmer's Cornucopia.....	12.00	2.47	2.00	26.68
Goldsmith's Improved Mixture.....	10.00	1.65	1.00	19.80
Golden Guano.....	10.00	1.65	1.00	19.80
Honduras Rice Grower.....	12.00	.....	4.00	19.20
Kainit.....	.....	.....	12.00	14.40
Lone Star Blood Mixture.....	10.00	.82	1.00	16.48
Lone Star Meal Mixture.....	10.00	.82	1.00	16.48
Louisiana Plant Cange Grower.....	6.00	3.30	.....	20.40
Louisiana Rice Grower.....	10.00	.....	2.00	14.40
Louisiana Stubble Cane Grower.....	4.00	4.94	.....	24.56
Meal Ammoniated Superphosphate and Potash.....	10.00	1.65	1.00	19.80
Muriate of Potash.....	.....	.....	50.00	60.00
New Orleans Acid Phosphate.....	14.00	.....	.....	16.80
Nitrate of Soda.....	.....	15.00	.....	60.00
Special Sugar Cane Grower No. 67.....	7.00	5.00	.....	28.40
Sulphate of Ammonia.....	.....	20.00	.....	80.00
Sulphate of Potash.....	.....	.....	50.00	60.00
Supreme Acid Phosphate.....	18.00	.....	.....	21.60
Texas Onion Grower.....	6.00	3.30	6.00	27.60
Vegetable Grower.....	6.00	2.47	4.00	21.88
Well's Cotton and Corn Grower.....	10.00	1.65	2.00	21.00
<b>Nitrate Agencies Co. of Texas, Houston, Texas—</b>				
High Grade 16 Per Cent Acid Phosphate.....	16.00	.....	.....	19.20



Table II.—Registration of Commercial Fertilizers, Season of 1913-1914.

Manufacturer, Place of Business and Brand.	Phosphoric Acid— Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.*	Valuation—Per Ton.
<b>Nitrate Agencies Co., New Orleans, La.—Continued.</b>				
High Grade 14 Per Cent Acid Phosphate.....	14.00	.....	.....	\$16.80
Basic Slag.....	*17.00	.....	.....	20.40
Ground Tankage.....	*14.50	5.6	.....	32.88
Imported Ground Bone.....	*23.00	2.5	.....	27.90
Kainit.....	.....	.....	12.00	14.40
Muriate of Potash.....	.....	.....	48.00	57.60
Nitrate of Soda.....	.....	15.00	.....	60.00
Sulphate of Potash.....	.....	.....	47.00	56.40
<b>Pelican Fertilizer Works, Shreveport, La.—</b>				
Muriate of Potash.....	.....	.....	50.00	60.00
Nitrate of Soda.....	.....	15.00	.....	60.00
Pelican Corn Grower.....	7.00	2.47	2.00	20.68
Pelican Cotton and Corn.....	8.00	2.00	2.00	20.00
Pelican Fish Bone Fertilizer.....	10.00	1.65	2.00	21.00
Pelican Fish Formula.....	10.00	1.65	1.00	19.80
Pelican German Kainit.....	.....	.....	12.00	14.40
Pelican Golden West.....	10.00	1.65	1.00	19.80
Pelican High Grade Acid Phosphate.....	14.00	.....	.....	16.80
Pelican High Grade.....	9.00	2.47	3.00	24.28
Pelican Meal Compound.....	10.00	1.65	1.00	19.80
Pelican Potash and Bone.....	12.00	.....	2.00	16.80
Pelican Potash and Superphosphate.....	10.00	.....	4.00	16.80
Pelican Potato Special.....	8.00	3.30	2.00	25.20
Pelican Rice Formula.....	10.00	.....	2.00	14.40
Pelican Special Phosphate.....	16.00	.....	.....	19.20
Pelican Tomato Special.....	10.00	2.47	1.00	23.08
Pelican Vegetable Grower.....	8.00	2.47	4.00	24.28
<b>Pittsburg Cotton Oil Co., Pittsburg, Texas—</b>				
Acid Phosphate.....	16.00	.....	.....	19.20
<b>Planters' Fertilizer and Chemical Co., New Orleans, La., and Fort Worth, Texas—</b>				
14 Per Cent Acid Phosphate.....	14.00	.....	.....	16.80
Planters' Bone Meal.....	*22.00	2.00	.....	25.20
Planters' Cotton and Corn No. 1.....	9.50	1.65	1.50	19.80
Planters' Corn Grower.....	10.00	1.65	1.50	20.40
Planters' Cane Fertilizer No. 106.....	10.00	4.94	.....	31.76
Planters' Cornfield Brand.....	10.00	.82	1.00	16.48
Planters' Golden Mixture.....	9.50	1.65	1.50	19.80
Planters' Kainit.....	.....	.....	12.00	14.40
Planters' Muriate of Potash.....	.....	.....	50.00	60.00
Planters' Nitrate of Soda.....	.....	14.81	.....	59.24
Planters' Orange Fertilizer.....	8.00	1.65	3.00	19.80
Planters' No. 102 Phosphate and Potash.....	10.00	.....	2.00	14.40
Planters' No. 104 Phosphate and Potash.....	10.00	.....	4.00	16.80
Planters' Phosphate and Potash No. 122.....	12.00	.....	2.00	14.40
Planters' Potato Fertilizer No. 1.....	8.00	2.05	6.00	25.00
Planters' Potato Fertilizer No. 2.....	8.00	2.47	4.00	24.28
Planters' Raw Bone Superphosphate with Potash.....	9.50	1.65	1.50	19.80
Planters' Raw Bone Meal.....	*22.00	3.70	.....	31.66
Planters' Special Farm Mixture.....	10.00	1.65	1.50	20.40
Planters' Strawberry Fertilizer.....	6.00	1.65	4.00	18.60
Planters' Sulphate of Potash.....	.....	.....	48.00	57.60
Planters' Strawberry Grower No. 1025.....	10.00	1.65	5.00	24.60
Planters' Stubbs' Formula for Cotton and Corn.....	8.00	1.65	2.00	18.60
Planters' Vegetable Grower.....	7.00	2.47	3.50	22.48
16 Per Cent Acid Phosphate.....	16.00	.....	.....	19.20
<b>Rockdale Oil Co., Rockdale, Texas—</b>				
Cottonseed Meal Fertilizer.....	2.00	7.00	1.00	31.60
Superior Brand Acid Phosphate Fertilizer.....	14.00	.....	.....	16.80
Superior Brand Corn and Cotton Fertilizer.....	11.00	1.90	.....	20.80
Superior Brand Cotton Special Fertilizer.....	8.00	1.70	3.00	20.00
Superior Brand Vegetable Fertilizer.....	8.50	3.50	.....	24.20
<b>San Augustine Fertilizer Co., San Augustine, Texas—</b>				
Augustine Acid Phosphate.....	16.00	.....	.....	19.20
Augustine High Grade.....	10.00	1.65	2.00	21.00
Augustine Standard Grade.....	8.00	2.06	1.50	19.64
Parker's Best.....	8.50	3.55	.....	24.40
Augustine Vegetable Special.....	6.00	2.47	5.00	23.08

\*Total Phosphoric Acid.

Table II.—Registration of Commercial Fertilizers, Season of 1913-1914.

Manufacturer, Place of Business and Brand.	Phosphoric Acid— Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Shreveport Fertilizer Works, Shreveport, La.—</b>				
B. F. Campbell Cotton Grower.....	9.00	2.00	1.00	\$20.00
Campbell's Veribest.....	9.00	3.30	7.00	32.40
Corn Grower No. 2.....	6.50	2.47	1.00	18.88
Jefferson Corn Booster.....	7.50	2.50	1.50	20.80
Jefferson Fertilizer.....	10.00	1.65	2.00	21.00
Jefferson Truck Booster.....	8.00	2.50	4.00	24.40
Lion Ammoniate Raw Bone Superphosphate.....	9.50	1.65	1.50	19.80
Lion Big Boll Fertilizer.....	10.00	1.65	1.50	20.40
Lion Big Crop Guano.....	10.00	1.65	2.00	21.00
Lion Blood and Bone.....	10.00	1.65	1.00	19.80
Lion Complete Fertilizer.....	8.00	1.65	2.00	19.60
Lion Corn Food.....	7.50	2.50	1.50	20.80
Lion Cotton Food.....	9.00	1.88	1.00	19.52
Lion Cotton and Corn.....	9.00	1.65	2.00	19.80
Lion Cottonseed Meal Mixture.....	10.00	1.65	1.00	19.80
Lion 844.....	8.00	3.30	4.00	27.60
Lion Favorite Fertilizer.....	10.00	1.65	1.00	19.80
Lion German Kainit.....			12.00	14.40
Lion Georgia Favorite.....	8.00	2.50	3.00	23.20
Lion Gold Corn Guano.....	10.00	1.65	2.00	21.00
Lion High Grade Potash Mixture.....	12.00		4.00	19.20
Lion High Grade Guano.....	9.00	2.50	3.00	24.60
Lion Pacific Guano.....	8.00	1.65	2.00	18.60
Lion Prolific Fruiter.....	10.00	2.00	2.00	22.40
Lion Phosphate.....	14.00			16.80
Lion Potato Producer.....	8.00	3.30	2.00	25.20
Lion Red Land Cotton Grower.....	12.00	1.65	1.00	22.20
Lion Sandy Soil Special.....	8.00	2.00	2.00	20.00
Lion Success Mixture.....	10.00	1.65	1.00	19.80
Lion Superior Meal Formula.....	10.00	2.50	3.00	25.60
Lion Superior Phosphate.....	17.00			20.40
Lion Superphos-Potash.....	12.00		2.00	16.80
Lion Top Dresser.....	4.00	6.12	2.50	32.28
Lion Tomato Special.....	10.00	2.50	1.00	23.20
Lion Truck Grower.....	8.00	2.50	4.00	24.40
Lion Veribest.....	10.00	3.00	4.00	28.80
Lion Xtra Good Phosphate.....	16.00			19.20
Marion and Cass Special.....	10.00	1.65	1.00	19.80
E. C. Mitchell's Cotton Formula.....	10.00	1.65	1.00	19.80
Muriate of Potash.....			50.00	60.00
New Oil Mill Cotton Special.....	9.00	1.88	1.00	19.52
Nitrate of Soda.....		15.00		60.00
Shalley's Rice Grower.....	10.00		4.00	16.80
Special Formula D.....	10.00	3.30	4.00	30.00
Special Formula No. 1.....	7.00	4.50	5.00	32.40
Special Formula No. 2.....	8.00	2.00	6.00	24.80
Special Formula No. 3.....	6.00	3.30	3.00	24.00
<b>Sims Bros., Simms, Texas—</b>				
Acid Phosphate.....	16.00			19.20
<b>The Southern Cotton Oil Co., Little Rock, Ark.—</b>				
SCO-CO. Cotton Hustler.....	10.00	1.65	1.00	19.80
<b>Swift and Co., Chicago, Ill., and Fort Worth, Texas—</b>				
Cottonseed Fertilizer.....	6.17			24.68
Diamond B. Fertilizer.....	3.00	4.94	6.00	30.56
Swift's Ammoniated Raw Bone Superphosphate.....	9.50	1.65	1.50	19.80
Swift's Cotton King Guano.....	9.00	2.47	2.00	23.08
Swift's Champion Vegetable Grower.....	8.00	3.29	3.00	26.36
Swift's Diamond "D" Fertilizer.....	10.00	1.65	1.00	19.80
Swift's Diamond "F" Fertilizer.....	7.00	3.70	4.00	28.00
Swift's Diamond "O" Fertilizer.....	10.00	3.29	6.00	27.56
Swift's Diamond "P" Fertilizer.....	8.00	3.29	8.00	32.36
Swift's Diamond "X" Fertilizer.....	3.00	4.94	6.00	30.56
Swift's Diamond "W" Fertilizer.....	10.00	3.29	8.00	34.76
Swift's Diamond "S" Top Dresser.....	4.00	4.11	3.00	24.84
Swift's East Texas Trucker.....	8.00	2.47	3.00	23.04
Swift's Farmers Special Fertilizer.....	10.00	3.29	4.00	29.96
Swift's Garden City Acid Phosphate.....	16.00			19.20
Swift's German Kainit.....			12.00	14.40
Swift's Good Luck Cottonseed Meal Compound.....	10.00	1.65	2.00	21.00
Swift's Golden Harvest Cottonseed Meal Compound.....	8.00	1.65	2.00	18.60

Table II.—Registration of Commercial Fertilizers, Season of 1913-1914.

Manufacturer, Place of Business and Brand.	Phosphoric Acid— Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>Swift &amp; Co., Chicago, Ill., Fort Worth, Texas—Continued.</b>				
Swift's High Grade 10-2-5 Cottonseed Meal Compound.....	10.00	1.65	5.00	\$24.60
Swift's High Grade 10-2-5 Blood and Bone.....	10.00	1.65	5.00	24.60
Swift's High Grade Corn and Cotton Grower.....	10.00	2.47	3.00	25.48
Swift's High Grade Early Truck Grower.....	6.00	2.47	6.00	23.58
Swift's High Grade Plow Boy Cottonseed Meal Compound.....	8.00	2.47	3.00	23.08
Swift's High Grade Truck and Fruit Fertilizer.....	6.00	2.47	10.00	29.08
Swift's High Grade Acid Phosphate.....	16.00	.....	.....	19.20
Swift's High Grade Phosphate and Potash.....	10.00	.....	4.00	16.80
Swift's Muriate of Potash.....	.....	.....	50.00	60.00
Swift's Nitrate of Soda.....	.....	14.82	.....	59.28
Swift's Planters Special Cottonseed Meal Compound.....	10.00	1.65	1.00	19.80
Swift's Low Grade Pulverized Cattle Manure.....	1.50	2.06	1.50	11.84
Swift's Low Grade Pulverized Sheep Manure.....	1.50	2.06	1.50	11.84
Swift's Pure Bone Meal.....	*24.00	2.47	.....	28.58
Swift's Pure Special Bone Meal.....	*29.00	.82	.....	26.31
Swift's Rice Grower.....	12.00	.....	2.00	16.80
Swift's Raw Bone Meal.....	*20.00	2.47	.....	25.39
Swift's Red Steer Guano.....	9.00	1.65	2.00	19.80
Swift's Special Cotton Grower.....	9.00	2.47	3.00	24.28
Swift's Special Orchard Fertilizer.....	12.00	1.65	10.00	33.00
Swift's Special Grain Fertilizer.....	10.00	1.65	2.00	21.00
Swift's Special Phosphate and Potash.....	10.00	.....	2.00	14.40
Swift's Special Vegetable Fertilizer.....	8.00	2.05	6.00	25.00
Swift's Superphosphate (Potash Ammoniated).....	8.00	1.65	2.00	18.60
Swift's Sulphate of Potash.....	.....	.....	48.00	57.60
Swift's Superphosphate Cottonseed Meal Compound.....	9.50	1.65	1.50	19.80
Swift's Tankage Formula.....	*6.87	7.41	.....	33.65
Swift's Vegetable Special Fertilizer.....	6.00	2.47	4.00	21.88
<b>Texas Fertilizer Co., Marshall, Texas—</b>				
Cotton and Corn Special.....	10.00	1.65	1.00	19.80
<b>Virginia-Carolina Chemical Co., Shreveport, La.—</b>				
BBB Beef, Blood and Bone.....	10.00	1.65	1.00	19.80
Eureka Complete Fertilizer.....	10.00	1.65	4.00	23.40
German Kainit.....	.....	.....	12.00	14.40
Georgia State Grange.....	10.00	1.65	1.00	19.80
Mobile Double Eagle Guano.....	10.00	1.65	1.50	20.40
Mobile Raw Bone Ammoniated Superphosphate.....	10.00	1.65	1.50	20.40
Muriate of Potash.....	.....	.....	48.00	57.60
Nitrate of Soda.....	.....	14.80	.....	59.20
Royal Blood, Bone and Potash.....	10.00	1.65	1.50	20.40
Royal Cotton Boll Guano.....	8.00	1.65	2.00	18.60
Royal Compound.....	10.00	.....	2.00	14.40
Royal Fruit Grower.....	8.00	2.47	5.00	25.48
Royal High Grade Guano.....	10.00	1.65	2.00	21.00
Royal Potash Compound.....	10.00	.....	4.00	16.80
Royal Tomato Formula.....	10.00	2.47	1.00	23.08
Royal Vegetable Fertilizer.....	8.00	2.47	4.00	24.28
Sulphate of Potash.....	.....	.....	48.00	57.60
Scott's Gossypium Phospho.....	10.00	1.65	1.50	20.40
Scott's Gossypium Phospho Special.....	10.00	1.65	2.00	21.00
Scott's High Grade Acid Phosphate.....	14.00	.....	.....	16.80
Scott's Potasso Phospho.....	12.00	.....	2.00	16.80
Scott's State Standard Guano.....	8.00	1.65	2.00	18.60
Tip Top Nitrogen Compound.....	2.00	13.15	.....	55.00
V. C. C. Fruit and Truck Special.....	6.00	3.30	8.00	30.00
V. C. C. Co's 16 Per Cent Acid Phosphate.....	16.00	.....	.....	19.20
V. C. C. Co's Truck Grower.....	8.00	2.06	6.00	25.04
V. C. High Grade Champion Compound.....	9.00	3.00	3.00	26.40
V. C. High Grade Dixie Special.....	7.00	3.00	1.00	21.60
V. C. High Grade Guano.....	10.00	1.65	2.00	21.00
V. C. High Grade Top Dresser.....	4.00	6.18	2.50	32.48
V. C. High Grade Potash Compound.....	12.00	.....	4.00	19.20
V. C. Rice Special.....	10.00	1.65	2.00	21.00
V. C. Tomato Special.....	10.00	2.47	1.50	23.68
V. C. Special Potash Compound.....	12.00	.....	8.00	24.00
V. C. XXX Special.....	8.00	2.47	1.00	20.68
<b>The Wills Point Cotton Oil Co., Wills Point, Texas—</b>				
Fertilizer Cottonseed Meal.....	1.00	7.00	1.00	30.40
Semper-Fidelis Acid Phosphate.....	16.00	.....	.....	19.20
Semper-Fidelis Corn and Cotton Grower.....	9.00	2.00	2.00	21.20
Semper-Fidelis Phospho Meal.....	8.50	3.50	1.00	25.40

\*Total Phosphoric Acid.

Table II.—Registration of Commercial Fertilizers, Season of 1913-1914.

Manufacturer, Place of Business and Brand.	Phosphoric Acid— Available Per Cent.	Nitrogen—Per Cent.	Potash—Per Cent.	Valuation—Per Ton.
<b>The Wortham Cotton Oil Co., Wortham, Texas—</b>				
Cottonseed Meal Fertilizer.....	2.00	7.00	1.40	\$25.00
<b>Geo. A. Wright, Palestine, Texas—</b>				
Wright's Acid Phosphate.....	14.00	.....	.....	16.80
Wright's Corn Fertilizer.....	8.00	3.50	2.00	26.00
Wright's Cotton Fertilizer.....	8.00	2.00	2.00	20.00